



. MATHEMATICAL TABLES.

CONSISTING OF

LOGARITHMS OF NUMBERS

1 то 108000

TRIGONOMETRICAL, NAUTICAL
AND OTHER TABLES

EDITED BY

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Maroon

NEW EDITION



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GIFT.

PREFACE TO NEW EDITION.

This extensive collection of Mathematical Tables comprehends the most important of those required in Trigonometry, Mensuration, Land-surveying, Navigation, Astronomy, Geodetic Surveying, and the other practical branches of the Mathematical Sciences.

This new and greatly enlarged Edition is well adapted for general use, and will be found to be more convenient, in size and arrangement, than any other compilation of the kind. The Tables of Logarithms of Numbers, of Logarithmic Sines, Tangents, and Secants; also those of Natural Sines, Cosines, Versed Sines and Chords, Tangents and Cotangents, Secants and Cosecants, and of Circular Arcs, are carried to seven decimal places, and are so arranged that the functions required in any calculation may all be found, so far as possible, at the same opening of the book.

As accuracy is the most important element in such tables, the greatest care has been bestowed in collating the whole with the best editions of the tables of Taylor, Hutton, Callet, Köhler, Schrön, and Shortrede; and wherever any difference has been found, the logarithms so differing have been calculated anew, so that it is confidently hoped these Tables will be found at least as accurate as any set hitherto published.

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EXPLANATION OF THE TABLES.

COMMON LOGARITHMS.

(1) A Table of Logarithms is a collection of auxiliary numbers, so constructed, that by it Multiplication of common numbers can be performed by addition of their Logarithms; Division by their subtraction; Involution, or raising of powers, by their multiplication; and Evolution, or extraction of roots, by their division. These auxiliaries or Logarithms are the exponents or powers to which an invariable number called the base has to be raised, in order to produce the number of which it is the Logarithm.

The above expressed in algebraic symbols, where A and B represent two numbers, is

(a) Log.
$$(A \times B)$$
 = log. $A + \log B$.
(b) Log. $\frac{A}{B}$ = log. $A - \log B$.
(c) Log. A^n = $n \log A$.
(d) Log. $\sqrt[n]{A} = \text{Log. } A^{\frac{1}{n}}$ = $\frac{1}{n} \log A$.

(2) In the following Tables of common logarithms, the base = 10, and the power to which 10 has to be raised to produce any number, is therefore the logarithm of that number; thus,

If, beginning again with 10¹, we divide successively by 10, we obtain the following results:

When we find from the Table that log. 35 = 1.5440680, this means that $10^{1.5440680} = 10^{1833888} = 35$; or that, if 10 be raised to a power denoted by the numerator of the fractional exponent, and of the number so found the root indicated by the denominator be extracted, the result will be 35. Other logarithms are to be similarly interpreted.

- (3) From the above it appears that the common Log. 1=0, that Log. 10=1; hence, the logarithms of numbers greater than 1 and less than 10, will be greater than 0 and less than 1; in other words, will be some proper fraction or decimal, without an integer; that the logarithms of all numbers greater than 10 but less than 100, will be greater than 1 and less than 2, or will be 1+a decimal; while the logarithm of a number consisting of 3 integral figures will be 2+a decimal, and so on; the integral part of the logarithm being always one less than the number of integral figures in the number of which it is the logarithm.
- (a) **Definition.**—The integral part of a logarithm is called its *characteristic*, and the decimal part is called the *mantissa*.
- (4) It also appears that the logarithms of all proper fractions are negative; thus, the logarithm of $\frac{3}{4}$ or log. 75 is (1,b) log. $3-\log$. 4, or $^4771213-6020600=-^1249387$; but subtracting this from 0, the logarithm of 1, we have $\overline{1}$ -8750613, where the characteristic only is negative, and the mantissa is positive, and consists of the same figures as the mantissa of log. 75, which is 1-8750613; from which it appears that the mantissa of the logarithm of a number is the same, so long as the digits of the number remain the same, and that the characteristic alone changes according to the position of the decimal point; thus,

Log. 43758 = 4.6410575Log. 4375.8 = 3.6410575Log. 437.58 = 2.6410575Log. 43.758 = 1:6410575Log. 4.3758 = 0.6410575Log. ·43758 $= \overline{1}.6410575$ Log. .043758 $= \overline{2}.6410575$ Log. .0043758 $= \overline{3}.6410575$ &c. &c.

- (a) This property of the characteristic and mantissa is only true of logarithms whose base is the same as the root of the scale of arithmetical notation; it is not true of Naperian logarithms; hence, a table of Naperian logarithms, in order to be universally useful, would require to be infinite in extent. For this reason a table of common logarithms is far more general, and more easily used than logarithms calculated to any other base.
- (5) The Characteristic.—From what has been said above, and from the fact that only the *mantissa* of the logarithm is put in the Table, the *characteristic*, in each case, must be supplied by the calculator himself. This is done by the following easy Rules.

0) -

- (a) If the number whose logarithm is sought contain one or more integral figures, the characteristic is always one less than the number of integral figures in the number, and is positive.
- (b) If the number is wholly a decimal, its characteristic is the same as the place from the decimal point which its first significant figure occupies, and is negative: in this case the negative sign is placed over the characteristic, to shew that it alone is negative, the mantissa being always positive.
 - (6) TO FIND THE LOGARITHM OF A GIVEN NUMBER BY THE TABLES.
- (a) If the number consist of not more than three figures: the mantissa will be found opposite it on one of the first five pages; and the characteristic must be supplied by (5, a) or (5, b), according as it contains an integer, or is all a decimal. In this manner is found,

Log. 852 =
$$2.9304396$$

and Log. $.45$ = $\overline{1}.6532125$

(b) If the number contain four digits: the mantissa will be found on pages 6 to 185 under 0 at the top of the page, and opposite the number itself in the column marked No. at the left-hand side of the page; and the proper characteristic must be applied as in the last case. In this manner is found,

Log.
$$374.5 = 2.5734518$$

and Log. $03745 = \overline{2}.5734518$

(c) If the number contain five digits: the mantissa will be found on pages 6 to 185, opposite the first four figures on the left-hand side of the page, and under the fifth at the top. In this way it is found that

Log.
$$87647 = 4.9427371$$

and Log. $.78539 = \overline{1}.8950854$

(d) If the number whose Logarithm is sought contain six or seven figures: find the mantissa corresponding to the first five figures as directed in (c); then take the difference between this logarithm and the next higher in the table, which is the change in the logarithm corresponding to an increase of 1 or a unit in the fifth figure of the number. Now, the sixth figure is tenth parts of this unit, and the sixth and seventh are hundredth parts of this unit; in other words, are decimals in reference to it. Hence, if the difference found above be multiplied by the figures above five, considered as decimals, and the product added to the logarithm found as above, it will be the true logarithm sought; thus: Find the logarithm of 387548.

Log.
$$38754$$
 = $.5883165$ Log. 38755 = $.5883277$ their difference is and $.112 \times .8 = 89.6$ or $90 = correction$ $... Log. 387548 = $.55883255$$

Find the logarithm of 276.5473.

```
Here Log. 276.55 = 2.4417737

Log. 276.54 = 2.4417580

their diff. is = 157

and 157 \times .73 = 114.61 or 115 = correction

\therefore Log. 276.5473 = 2.4417695
```

(7) PROPORTIONAL PARTS BY INSPECTION.

These corrections can also be more readily made, by means of the columns of proportional parts to be found on the right-hand side of each page; thus, under diff. 112, and opposite 8, is found 90, which being added to the last figures of the log. 38754, gives log. 387548 as above. Also, under the difference 157, and opposite 7, is found 110, and opposite 3 is found 47; but 3 being in the seventh place, 47 must be taken as 4.7; which, being nearer to 5 than 4, must be taken as 5; and this added to the 110 gives 115 as the correction to be added to the log. 276.54, to obtain the logarithm of 276.5473; the result being the same as found above.

- (a) The differences change so rapidly at the beginning of the Tables, that for want of room, only every third difference is given, from page 1 to 13, and every second difference, from page 14 to 23: from page 24 to end, every difference is given. When the exact difference is not given, use that which differs from it only by one, and the result will be sufficiently exact for ordinary purposes; but, when the greatest accuracy is required, correct by the rule (d) above.
- (b) The logarithms of numbers from 100000 to 108000 are given on pages 186 to 201, to eight places of decimals; they are to be taken out exactly as described above, five figures of the number being found at the beginning of the page, and the sixth at the top; the correction for the 7th and 8th figures of the number is made as described (6 and 7) above.

EXERCISES.

1. The logarithm of	729	=	2.8627275
2. The logarithm of	4.385	=	0.6419696
3. The logarithm of	53874	==	4.7313792
4. The logarithm of	53.8745	=	1.7313833
5. The logarithm of	.003768	=	3.5761109
6. The logarithm of	7853968	===	6.8950891
7. The logarithm of ·	78539816	=	$\overline{1}$ 8950899
8. The logarithm of	1047:3564	= :	3.02009449 (7. 6)

(8) TO FIND THE NUMBER CORRESPONDING TO A GIVEN LOGARITHM.

When the logarithm is not found in the table, take out the next lower and the five figures of the number belonging to it; then, find the difference between this logarithm and the given one, and under the corresponding tabular difference find the proportional part which is equal to this difference, and opposite it is found the sixth figure of the number: but if the difference is not exactly found among the proportional parts, take the next lower part, and the figure opposite it is the sixth figure of the number; subtract this part from the given difference, annex to the remainder a cipher, consider it as a new proportional

part, and find the corresponding figure as before, and it will be the seventh figure of the number.

EXAMPLE.

Find the number whose logarithm is 3.9212074.

3.9212074 Given logarithm === 3.9212025 Number = 8340.7 to next lower log. less 49 47 Number = 09 to next lower pro. part 20 21 Number =004 to nearest pro. part --8340.794 is the required number. Hence

COMPUTATION OF NEGATIVE CHARACTERISTICS.

It is usual to make only the characteristic of a logarithm negative, as the calculations can thus be made more conveniently. Calculations with negative characteristics are made according to the rules of algebraic addition and subtraction.

(9) (a) To add two negative characteristics.

Take their sum, and make it negative. Thus $\overline{2}$ added to $\overline{3}$, gives $\overline{5}$.

(b) To add a positive and negative characteristic.

Take their difference, and consider it to be positive or negative according as the positive or negative characteristic is the greater; that is, the difference has the sign of the greater.

Thus 6 and $\overline{2}$ give 4; 5 and $\overline{2}$ give 3; $\overline{5}$ and 2 give $\overline{3}$; $\overline{2}$ and 1 give $\overline{1}$; and so on.

The following examples will easily be performed by attending to these two rules:

EXAMPLES.

1. Add 5:3468541 and \$\overline{3}\$:2685427 5:3468541

7 \$\overline{3}\$:2685427 - / \dots
2:6153968 - \overline{4}\$

2. Add 6:3874654 and \$\overline{2}\$:9245686
6:3874654

5:3120290

€2.9245636 -10

In this example the sum in the first decimal place is 13, and the 1 is carried to 6, which gives 7, then 7 and $\bar{2}$ give 5.

3. Add 2·5632874 and 3·2465281 2·5632874 3·2465281

5·8098155

(10) To subtract a negative characteristic.

Change its sign to plus, and then add it by the preceding rules for addition. Thus, to subtract $\overline{3}$ from 2, the result is found by adding 3 to 2, which gives 5. So $\overline{5}$ subtracted from $\overline{2}$, gives 5 and $\overline{2}$, or 3; also $\overline{3}$ subtracted from $\overline{5}$, gives 3 and $\overline{5}$, or $\overline{2}$.

EXAMPLES.

1. From 2.6847658 subtract 3.2468543

2·6847658 7·3·2468543 - 10 5·4379115 + 10

2. From 2:3468537 subtract 5:7654626

2·3468537 5·7654626 2·5813911

Here $\overline{5}$ taken from $\overline{2}$, gives 5 and $\overline{2}$, or 3; but in subtracting the first decimal places, there is one to be carried; in other words, 1 is to be subtracted from the upper number $\overline{2}$, which makes it $\overline{3}$, then $\overline{3}$ and 5 give 2.

3. From $\overline{5}.6843252$ subtract $\overline{3}.7856310$

 $5\overline{5}.6843252 - 10$ $7\overline{3}.7856310 - 10$ $\overline{3}.8986942$

Here $\overline{3}$ taken from 5, gives 3 and $\overline{5}$ or $\overline{2}$, and a 1 of carriage, which is of course to be subtracted, gives $\overline{2}$ and $\overline{1}$ or $\overline{3}$; or the 1 of carriage, with the $\overline{5}$ makes $\overline{6}$, and $\overline{3}$ taken from $\overline{6}$, gives 3 and $\overline{6}$ or $\overline{3}$.

(11) To multiply a logarithm with a negative characteristic.

Multiply the fractional part by the common rules; then multiply the negative characteristic, which will give a negative product, and add the carriage to it by the rule (b) above.

Thus $\overline{2}$, multiplied by 5, gives $\overline{10}$, and if 2 of carriage is to be added, the result is $\overline{8}$.

EXAMPLES.

1. Multiply 2:3685464 by 2

4 2·3685464 -10

4.7370928 - 2

2. Multiply

3.7856473 by 6

14.7138838

Here $\overline{3} \times 6 = \overline{18}$, and $\overline{18}$, with the carriage 4, gives $\overline{14}$.

(12) To divide a logarithm having a negative characteristic.

If the characteristic is divisible by the divisor, write down the quotient with a negative sign, and divide the fractional part by common rules. But if the negative characteristic is not divisible by the divisor, add such a negative number to it as will make it divisible, and prefix an equal positive integer to the fractional part of the logarithm; then divide the increased negative exponent and the other part of the logarithm separately, and the former quotient, taken negatively, will be the characteristic to the fractional part of the quotient.

Thus $\overline{6}$, divided by 3, gives $\overline{2}$. But to divide $\overline{10}$ by 3, add $\overline{2}$ to it, and then $\overline{10}$ is equal to $\overline{12}$ and 2; the former, divided by 3, gives $\overline{4}$, and the latter $\frac{2}{3}$. The quotient, therefore, is $\overline{4}$ and $\frac{2}{3}$.

EXAMPLES.

1. Divide

 $\overline{6}$:3246846 by 3 4 $\overline{6}$:3246846 \div 3 = $\overline{2}$:1082282

2. Divide

 $\overline{14}$ 3268472 by 9 $\overline{14}$ 3268472 = $\overline{18}$ + 4 3268472

and the quotient is

 $= \overline{2.4807608}$

Here 4 must be added to $\overline{14}$, that the sum $\overline{18}$ may be divisible by 9; and as $\overline{4}$ is thus added, therefore 4 must be prefixed to the fractional part, and thus the value of the logarithm is unaltered, for there is added to it $\overline{4}$ and 4, or 0.

(13) To Perform Multiplication by Logarithms.

Add the logarithms of the factors, and the sum will be the logarithm of the product.

EXAMPLES.

1. Multiply

2.581926 by 345.7291. L 2.581926 = 0.4119438 } L 345.7291 = 2.5387359 }

Product = 892.647, its log.
2. Multiply '0

*03902, 59.716, and *00314728. L *03902 = $\overline{2}$.5912873

L 59.716 = 1.7760907

 $L \cdot 00314728 = \overline{3} \cdot 4979353$

Product = :007333533, its log.

 $= \overline{3}.8653133$ Sum.

= 2.9506797 Sum.

EXERCISES.

1. Multiply 231.4 and 5.062.

Ans. 1171.347.

2. Multiply 35.86, 2.1046, .8372, and .00294.

Ans. :1857618.

(14) To Perform Division by Logarithms.

From the logarithm of the dividend subtract that of the divisor, and the remainder will be the logarithm of the quotient.

Quotient = .0005744694

EXAMPLES.

1. Divide	371·49 by 52·376.
	L 371.49 = 2.5699471
	L $371.49 = 2.5699471$ L $52.376 = 1.7191323$
$Quotient = 7 \cdot 092752$	0.8508148 Diff.
2. Divide	·07438 by 129·476.
	$L \cdot 07438 = \overline{2} \cdot 8714562$
	$L \cdot 07438 = \overline{2} \cdot 8714562$ $L \cdot 129 \cdot 476 = 2 \cdot 1121893$

EXERCISES.

4.7592669

Diff.

Divide 241 63 by 4 567.
 Divide 6314 by 007241.
 Ans. 87 19792.

(15) To Perform Proportion by Logarithms.

Add together the logarithms of the second and third terms, and from their sum subtract the logarithm of the first, and the remainder will be the logarithm of the fourth term.

- (a) The arithmetical complement of a number is the remainder, after subtracting it from a number consisting of 1, with as many ciphers annexed as the number has of integers. When the index of a logarithm is less than 10, which is generally the case, its arithmetical complement is found by subtracting it from 10.
- (b) The arithmetical complement of a logarithm is easily found by subtracting its right-hand significant figure from 10, and all those before it from 9.

Instead of subtracting the logarithm of the first term, its arithmetical complement may be added to the logarithms of the second and third, and the sum, after deducting 10 from the index, will be the logarithm of the fourth term.

EXAMPLE.

Find a fourth proportional to 723.4, .02519, and 3574.862.

TO GET OFF	proportional to	ino is ono io, und oo	
$\mathbf{A}\mathbf{s}$	723.4	2.8593785 ar.	com. 7·1406215
To	.02519	$\overline{2}$:4012282	$\overline{2}$ ·4012282
So is	3574 862	3.5532592	3.5532592
		1.9544874	T·0951089
To	1244827	7.0951089	

In the first method, the logarithms of the second and third terms are added, and that of the first term is then subtracted from the sum; and in the second method, the arithmetical complement of the logarithm of the first term is added to the logarithms of the second and third, and from 9 the index 10 is subtracted, which gives $\overline{1}$ for a remainder.

(c) The arithmetical complement of a number is also sometimes understood to be the algebraic remainder after subtracting the number from zero or nothing. Instead of subtracting a number from another, if this arithmetical complement

of the former is added to the latter, the sum will be the required difference without deducting 10 or any other number. Thus, in the above example,

A. C.* of L 723·4 =
$$\overline{3}\cdot1406215$$

L ·02519 = $\overline{2}\cdot4012282$
L 3574·862 = $3\cdot\overline{5}532592$
 $\overline{1}\cdot0951089$

which is the same result as before.

(16) To Perform Involution by Logarithms.

Multiply the logarithm of the given number by the exponent of the power to which it is to be raised, and the product will be the logarithm of the required power.

EXAMPLE.

Find the cube of 30.7146.

$$L \ 30.7146 = 1.4873449$$

_____3

Power = 28975.75, its log.

= 4.4620347

EXERCISES.

1. Find the fourth power of 9.163.

Ans. 7049.38.

2. Find the 365th power of 1.0045.

Ans. 5·149062.

(17) To Perform Evolution by Logarithms.

Divide the logarithm of the given number by the exponent of the root which is to be extracted, and the quotient will be the logarithm of the required root.

EXAMPLES.

1. Find the cube root of 12345.

L 12345 = 4.0914911

Its quotient by 3 Hence = 1·3638304 = L 23·11162 3/ 12345 = 23·11162

2. Find the fourth root of .0076542.

 $L \cdot 0076542 = \overline{3} \cdot 8838998$ = $\overline{1} \cdot 4709749 = L \cdot 295784$

(18) To find the value of x in the equation $a^x = b$.

By (1, c) we have
$$x \text{ Log. } a = \text{Log. } b$$
.
 $\therefore x = \log_{0} b \div \log_{0} a$
Let $a = 40$, and $b = 10$
Then $x = \frac{1 \cdot 0000000}{1 \cdot 6020600} = \cdot 6241964$

^{*} A. C. is a contraction for arithmetical complement.

Next,

let
$$a = .8$$
, and $b = 3.1416$

Then
$$x = \frac{\text{Log. } 3.1416}{\text{Log. } 8} = \frac{0.4971509}{\overline{1.9030900}}$$

$$= \frac{0.4971509}{-0.0969100}$$

$$= -\frac{4971509}{.0969100} = -\frac{4971509}{.969100}$$

$$= -5.130027$$

In this latter case we have to change the divisor T.9030900 into -.0969100 before the division can be conveniently performed.

(19) To find the amount and present value of a sum of money at compound interest by logarithms.

Let
$$p =$$
 the principal,
 $a = n$ amount,

t = w time or number of payments of interest,

$$r = r$$
 interest of £1 for one period, $(1+r) = R = r$ amount of £1 for one period.

Then (Algebra, 666),
$$a = p R^t$$
 (1)

which, by taking the logarithms of both sides, becomes

$$Log. a = log. p + t log. R,$$
 (2)

Transposing Log.
$$p = \log a - t \log R$$
,

$$Log. R = \frac{\log. a - \log. p}{t},$$
 (4)

$$t = \frac{\log \cdot a - \log \cdot p}{\log \cdot R}.$$
 (5)

Also the interest
$$= a - p = p (R^t - 1)$$
 (6)

Note.—If in the above formulæ p= the present value of a sum a due t periods hence, they are equally true for the present value; t, r, and R being the same as above.

When t is large, the logarithm of R, in order to obtain correct results, should be taken with more than seven places of decimals; for which reason the most common values of R, with their logarithms carried to ten decimals, are inserted in the following table:

LOGARITHMS OF R.

R.	Logarithm.	R.	Logarithm.
1.0025		1.0325	01389,00603
1.0050		1.0350	. 01494,03498
1.0075	00324,50548	1.0375	. 01598,81054
1.0100	00432,13738	1.0400	. 01703,33393
1.0125		1.0425	. 01807,60636
1.0150		1.0450	. 01911,62904
1.0175		1.0475	. 02015,40316
1.0200		1.0500	02118,92991
1.0225		1.0525	02222,21045
1.0250		1.0550	. 02325,24596
1.0275		1.0575	. 02428,03760
1.0300		1 0600	02530,58653

-1.00030 +0.9030

(3)

EXAMPLE I.

Find the amount and compound interest of £365, 10s., for 19 years at $4\frac{1}{4}$ per cent.

Since the rate per cent is 4.25, the rate for £1 = r = 0425, and R = 1.0425, t = 19, and p = 365.5; then by (2),

t log. R = 19 × ·0180760636 = 0·3434452084
+ log. p = log. 365·5 = 2·5628874
∴ log. a = log. 805·9954 =
$$2.9063326$$

 297
 $2908 \div 54 = 54$.

Hence the amount = £805, 19s. 11d. +

Also the interest = a - p by (6) = £805, 19s. 11d. - £365, 10s. =£440, 9s. 11d.

EXAMPLE II.

Find the present value of £584, 15s. 6d., due 12 years hence, compound interest at $3\frac{1}{5}$ per cent.

Since the rate per cent. is 3.5, the rate for £1 = r = .035, and R = 1.035, t = 12, and a = £584.775; then by (3),

Log.
$$a = \log .584.775$$
 = 2.7669888
- $t \log . R = -12 \times .0149403498 = 0.1792841976$
 $\therefore \log . p = \log .386.9943$ 2.5877046024
6997
113)49024
Hence $p = £386$, 19s. 103d. —

EXAMPLE III.

At what rate per cent. will £365, 10s. amount to £805, 19s. 11d. in 19 years? Here a = 805.995, p = 365.5, and t = 19; hence by (4),

Log. R =
$$\frac{\log a - \log p}{t}$$

= $\frac{2.9063324 - 2.5628874}{19}$
= $\frac{0.3434450}{19} = .0180761$ nearly
= $\log 1.0425$ \therefore R = 1.0425
 $i = 0.425$, and the rate per cent. is therefore
= $4.25 = 4\frac{1}{4}$, the rate sought.

Hence

EXAMPLE IV.

In what time will £250 amount to £846, 11s. $9\frac{1}{4}$ d., at 5 per cent. per annum? Since a = 846.5885, p = 250, R = 1.05, by (5),

$$t = \frac{\log. \ a - \log. \ p}{\log. \ R} = \frac{2.9276723 - 2.3979400}{.0211893}$$

= $\frac{.5297323}{.0211893} = 25$ years, the time sought.

EXAMPLE V.

Find the present value of £3245 due 30 years hence at $4\frac{1}{2}$ per cent., compound interest.

Here a = 3245, R = 1.045, and t = 30; hence by the Note and (3),

Log.
$$p = \log_0 a - t \log_0 R$$
,
or $\log_0 p = \log_0 3245 - 30 \times \log_0 1.045$
 $= 3.5112147 - 5734887120$
 $= 2.937725988 = \log_0 866.415$
 \therefore the present value = £866, 8s. $3\frac{1}{2}$ d. nearly.

EXAMPLE VI.

The present value of £596 due 12 years hence, compound interest, is £383, 3s. $4\frac{1}{2}$ d.; what is the rate per cent. per annum?

Here
$$a = 596$$
, $p = 383^{\circ}168$, $t = 12$; hence by the Note and (4),

$$\text{Log. R} = \frac{\log. \ a - \log. \ p}{t}$$

$$= \frac{2\cdot7752463 - 2\cdot5833893}{12}$$

$$= \frac{\cdot1918570}{12} = \cdot0159881$$

$$= \text{Log. } 1\cdot0375 = \log. \ \text{R};$$

$$\therefore \ \mathbf{R} = 1\cdot0375, \text{ and the rate per cent. is } 3\frac{3}{8}.$$

(20) To find the amount and present value of an annuity, for a given time, at a given rate per cent. compound interest.

Let p = the annual or periodic payment;

A = the amount of the annuity improved at compound interest to the end of the time;

v = the present value of the annuity;

R = the amount of £1 for one period;

and t = the number of years, or periods of payment.

Then

$$A = p\left(\frac{R^t - 1}{R - 1}\right) (Alg., art. 671),$$
 (7)

and
$$v = \frac{p(R^t - 1)}{R^t(R - 1)} = \frac{1}{R^t} A (Alg., art. 672);$$
 (8)

$$\therefore \text{ also } A = vRt. \tag{9}$$

Hence from (7),

Log.
$$A = \log_{t} p + \log_{t} (R^{t} - 1) - \log_{t} r;$$
 (10)

from (8),

Log.
$$v = \log_{10} p + \log_{10} (R^t - 1) - \log_{10} r - t \log_{10} R;$$
 (11)

and from (9), Log. A = log. v + t log. R.(12)

Transposing (12), $\log A - \log A$

$$Log. R = \frac{\log. A - \log. v}{t}$$

REDUCTION OF COMMON TO NAPERIAN LOGARITHMS, AND THE CONVERSE,

- (21) The method of using the tables will be seen from the two following examples:
- 1. Find the Naperian logarithm corresponding to the common logarithm 0.9542425.

Com. Log.				Nap. Log. 2·18745584
00	***	•••	•••	2 10/1000T
42	•••	• • •	•••	967086
42	•••	•••	•••	9671
5	•••	•••	•••	115
.0542425				2.19722456

2. Find the common logarithm corresponding to the Naperian logarithm 2 19722456.

Nap. Log.				Com. Log.
2.	•••	•••	•••	·868 58896
19	•••	•••	•••	8251595
72	•••	•••	•••	312692
24	•••	•••	•••	1042
56	•••	•••	•••	24
2.19722456				95424249
		or to 7 pla	aces =	$\boldsymbol{0.9542425}$

LOGARITHMIC SINES, TANGENTS, AND SECANTS.

The logarithmic sines, tangents, &c. are the logarithms of the numbers that express the lengths of these lines for any given arc, supposing the radius of the circle to be 10,000,000,000.

- (22) TO FIND THE LOGARITHMIC SINE OF AN ARC.
- (a) When the arc contains degrees and minutes only.

If the number of degrees is under 45, find them at the top of the table, and in the column marked sine at the top, and opposite to the number of minutes in the left-hand column, is the required logarithm.

If the number of degrees exceeds 45, and is less than 90, they will be found at the foot of the page; and in the column marked sine at the foot, and opposite to the number of minutes in the right-hand column, will be found the required logarithm.

The same rule applies to tangents, cotangents, and all the other trigonometrical quantities.

EXAMPLES.

The	log.	sine of	36°	24'	is	9.7733614
#	#	secant	36°	50'	"	10.0967023
"	"	tangent	53°	36'	#	10.1323772
"	"	cotangent	53°	40′	"	9.8665644

(b) When the arc contains degrees, minutes, and seconds.

Find the logarithm for the number of degrees and minutes as before, and multiply the tabular difference in the difference column next this logarithm by the number of seconds; divide the product by 60, and add the quotient as a proportional part to the preceding logarithm.

If the given quantity is a cosine, cotangent, or cosecant, the proportional part for the seconds must be subtracted from the logarithm for the degrees and minutes.

EXAMPLES.

1. Find the logarithmic tangent of 36° 40′ 50″.

Log. tan.
$$36^{\circ}$$
 40' = 9.8718486
Proportional part = $2637 \times \frac{6}{80}$ = $\frac{2197}{9.8720683}$
Log. tan. 36° 40' 50" = $\frac{9.8720683}{9.8720683}$

2. To find the logarithmic cosecant of 53° 20' 24".

Log. cosec.
$$53^{\circ}$$
 20' = $10 \cdot 0957589$
Prop. part = $940 \times \frac{24}{5}$ = -376
Log. cosec. 53° 20' 24" = $10 \cdot 0957213$

The rule depends on this principle: The tabular difference for any logarithm is the difference between it and the next higher, and therefore is the difference corresponding to 60''; hence if D denote the tabular difference, and d the proportional part to be added for the number of seconds n, then

60:
$$n = D$$
: d , and $d = \frac{nD}{60}$

This supposes the differences to be constant, which is nearly the case for several consecutive logarithms.

EXERCISES.

- 1. Find the logarithmic sine of 36° 24′ 36″.
- Ans. 9.7734642.
- 2. Find the logarithmic cotangent of 53° 32′ 42″. Ans. 9·8684953.
- (23) To find the number of degrees, minutes, and seconds corresponding to any logarithmic sine, tangent, or secant.
 - (a) When the logarithm is found in the tables.

The number of degrees will be found at the top or foot of the page, according as the name of the logarithm is at the top or foot of the column, and the minutes are found in the proper column, as in (22).

EXAMPLES.

- 1. The log. tan. 9.8673583 corresponds to 36° 23'.
- 2. The log. cos. 9.7776128 corresponds to 53° 11'.
- (b) When the given logarithm is not found in the table exactly.

Find the next lower logarithm in the proper column, and take the degrees and minutes corresponding to it when it is a sine, tangent, or secant; find the difference between this logarithm and the given one; multiply this difference by 60, and divide by the tabular difference, and the quotient will be the number of seconds required.

(c) When the given logarithm is that of a cosine, cotangent, or cosecant, it is to be taken from the next higher logarithm in the table, and the seconds found from the remainder as above.

EXAMPLES.

1. Find the degrees, minutes, and seconds corresponding to the logarithmic sine 9 9047423.

Next lower Given log.
$$9 \cdot 9047106 = \log$$
. sine $53^{\circ} 25'$ $9 \cdot 9047423$ Difference $= \frac{317 \times 60}{937} = 20''\cdot 3$ and $9 \cdot 9047423 = \log$. sine $53^{\circ} 25'$ $20''\cdot 3$.

2. Find the number of degrees, minutes, and seconds corresponding to the logarithmic cosecant 10.2280452.

Next higher Given log.
$$10 \cdot 2281850 = \log$$
. cosec. 36° 15' $10 \cdot 2280452$ Difference 1398 , and tab. diff. = 1722

Hence $n = \frac{1398 \times 60}{1722} = 48'' \cdot 7$ and $10 \cdot 2280452 = \log$. cosec. 36° 15' $48'' \cdot 7$

The rule depends on the proportion in article 22, or

D:
$$d = 60$$
: n , and $n = \frac{60d}{D}$.

EXERCISES.

1. Find the degrees, &c. corresponding to the logarithmic tangent 9.8644658.

Ans. 36° 12′ 4″.6.

Find the degrees, &c. corresponding to the logarithmic cotangent 9.8734523.
 Ans. 53° 13′ 55″.

RULES FOR SMALL ARCS.

(24) The differences for the logarithmic sines and tangents of small arcs, not exceeding 3° 15′, are very variable, and therefore the logarithmic sines and tangents for such a small arc containing seconds cannot be accurately found,

since the proportional part is computed on the supposition that the differences are constant for a difference of 60" in the arc. Hence if the logarithmic sine of an arc nearly 90° were to be found by using that of a small arc obtained in the usual way, the error in this logarithm would cause an error of several seconds on the former arc, because the differences corresponding to 60" for arcs nearly 90° are comparatively small. For the same reason, when the logarithmic sine or tangent of a small arc is given, the arc cannot be accurately found in the usual way. It is seldom such small angles enter into calculations, but when they do so, they or their logarithmic sines or tangent may be calculated by the subjoined rules.

(25) To find the logarithmic sine of a small arc.

To the logarithm of the arc reduced to seconds add 4.6855749, and from the sum subtract $\frac{1}{3}$ of its logarithmic secant, the index of the latter logarithm being previously diminished by 10; the remainder is the required logarithmic sine.

EXAMPLE.

Find the logarithmic sine of 1° 44′ 36".8.

$$a = 1^{\circ} 44' \ 36'' \cdot 8 = 6276'' \cdot 8, \text{ and its log.} = 3.7977383$$

$$\text{Constant number} = \frac{4 \cdot 6855749}{8 \cdot 4833132}$$

$$-\frac{1}{3} \text{ (Log. sec. } a - 10) = \frac{1}{3} \times 0002011 = 0.000670$$
Hence log. sine of 1° 44' 36'' \cdot 8 = 8\cdot 4832462

(26) To find the logarithmic tangent of a small arc.

To the logarithm of the arc reduced to seconds add 4.6855749, and two-thirds of the logarithmic secant, the index of the latter logarithm being previously diminished by 10; the sum is the required logarithmic tangent.

EXAMPLE.

Find the logarithmic tangent of 1° 44′ 36".8.

	$a = 1^{\circ} 44' 36'' \cdot 8 = 6276'' \cdot 8$, and its log. Constant number		3·7977383 4·6855749	
	$+\frac{2}{3}$ (Log. sec. $a-10$) = $\frac{2}{3} \times .0002011$	=	8·4833132 0·0001341	
Hence log.	tangent of 1° 44′ 36"·8	==	8.4834473	

(27) TO FIND A SMALL ARC OF WHICH THE LOGARITHMIC SINE IS GIVEN.

To the given logarithmic sine add 5.3144251, and $\frac{1}{3}$ of the corresponding logarithmic secant, the index of the latter logarithm being previously diminished by 10, and the sum will be the logarithm of the number of seconds in the arc.

EXAMPLE.

Find the arc corresponding to the logarithmic sine 8.4832462.

The arc is found in the ordinary way to be 1° 44′ 36″, and the logarithmic secant of this arc is $10\cdot0002011$; hence

Given log. sine 6 = 8.4832462 Constant number = 5.3144251 \$ (Log. sec. - 10) = 0.0000670 L 6276"8 = 3.7977383

Hence $a = 6276'' \cdot 8 = 1^{\circ} 44' 36'' \cdot 8$.

(28) To find a small arc, of which the logarithmic tangent is given.

To the given logarithmic tangent add $\overline{5}$:3144251, and from this sum subtract two-thirds of the corresponding logarithmic secant, previously diminishing its index by 10; then the remainder is the logarithm of the number of seconds in the arc.

EXAMPLE.

The logarithmic tangent of a small arc is 8.4834473; required the arc.

It is found in the usual way that the arc is nearly 1° 44′ 36″, and its log. secant = $10 \cdot 0002011$.

Given log. tangent = $\frac{8.4834473}{5.3144251}$ Constant number = $\frac{5.3144251}{3.7978724}$ $-\frac{2}{3}$ (Log. sec. -10) = $\frac{0.0001341}{3.7977383}$

Hence $a = 6276^{"\cdot}8 = 1^{\circ} 44' 36"\cdot 8$.

From the smallness of the differences of the logarithmic secants of small arcs, an error of a few seconds in the arc would cause an error of less than 1 in the sixth decimal place, and generally the error on the required arc from this source would be less than $\frac{1}{10}$ of 1".*

ANGLES CONTAINED BY THE MERIDIAN WITH EVERY POINT AND QUARTER-POINT OF THE COMPASS.

(29) In this table the value of the points and quarter-points contained by any rhumb line and the meridian is given in degrees, &c.

Thus the number of points contained by the rhumb line of N.N.E. or N.N.W. with the meridian is 2 points = 22° 30'.

So the points contained between E.N.E. $\frac{1}{4}$ E. and N.; or between E.S.E. $\frac{1}{4}$ E. and S. are = $6\frac{1}{4}$ points = 70° 18' 45''.

^{*} A proof of the rules, from which the above are easily deduced, is given in Woodhouse's Trigonometry, page 262.

LOGARITHMIC SINES, TANGENTS, ETC. TO EVERY POINT AND QUARTER-POINT OF THE COMPASS.

(30) When angles are given in points instead of degrees, it is convenient to know their logarithmic sines, tangents, &c. without converting them into degrees; and these logarithms are given in this table.

Thus the log. tan. of $3\frac{1}{2}$ points = 9.9141732.

AREAS OF THE SEGMENTS OF A CIRCLE, TO DIAMETER = 1.

- (31) In this table there are given the height of the segment to diameter = 1, and adjacent to it the area of the segment to diameter = 1. When the diameter is not 1, divide the height of the segment by the diameter; the quotient will be the height to diameter = 1, which call h, and let A represent the central angle, and C the circular measure of the arc of the segment; then \sqrt{h} = the natural sine of $\frac{\Lambda}{4}$, from which A can be found; then, from the table of 'Circular Measure of Angles,' C can be found; the tabular area is then = $\frac{1}{4}$ (C sin. A); from which the table can be calculated.
 - (32) TO CALCULATE THE AREA OF A CIRCULAR SEGMENT.

RULE.—Divide the height by the diameter, look for the quotient in the column of heights, and take out the corresponding area, which multiply by the square of the diameter; the product will be the area sought.

EXAMPLE.

The height of a segment is 16, and the diameter 105; find the area.

CIRCULAR MEASURE OF ANGLES, OR LENGTH OF ARCS ${ m TO}$ RADIUS = 1.

- (33) To find the circular measure of an arc, the angular measure of which is given; and conversely.
- (a) Find the degrees in the arc at the top of the page, and the minutes at the left-hand side; then, under the degrees and opposite the minutes, is the length sought; but if the angle contain seconds, to this result add the number opposite the seconds on the right-hand side of the page, and the sum will be the length sought.

(b) Conversely: When the length or circular measure is given, find the given length in the table; then the degrees at the top and the minutes at the left-hand side is the angular measure sought, when the length is found in the table exactly; but if the length is not found exactly in the table, take the degrees and minutes corresponding to the next less arc, and subtract this next less arc from the given one, and opposite the remainder on the right-hand side of the page will be found the seconds in the arc

NATURAL SINES, COSINES, VERSED SINES, AND CHORDS.

(34) The natural sines, cosines, versed sines, chords, &c., contained in this table, are the lengths of these functions of arcs of a circle whose radius = 1. They are all decimal fractions, though the point is not prefixed, except where they are equal to or greater than 1, in which case the point is inserted. Or, they are the lengths of the same functions, in integers, to radius = 10,000,000.

The natural sines and cosines of arcs, also the arcs for any given natural sines or cosines, are found from the table by the same method as that used for logarithmic sines and cosines.

The natural sines and cosines of arcs are easily found from the logarithmic sines and cosines, by merely subtracting 10 from the indices of the latter, and then the number corresponding to this logarithm is the natural sine or cosine required. In the same manner the natural tangents, secants, &c. can be found.

Let s = the natural sine of an arc, and S = the sine of the same arc, whose logarithm is the logarithmic sine: then S = 10,000,000,000 s and LS = 10 + L s or Ls = LS - 10.

EXAMPLE.

Given the logarithmic sine of 36° 44′, namely, 9.7767676, to find the natural sine of the same arc.

L sine 36° 44′ = 9.7767676Subtract 10° L nat. sine $\overline{1.7767676}$ Hence natural sine = .5980915

If the chord of an arc greater than 90° be required, take *twice* the natural sine of *half* that arc, and it will be the chord required. Or, let c = the chord of its supplement; then the square root of (2 + c) (2 - c) = the required chord. Or the chord sought $= \sqrt{4 - c^2}$.

Note.—This table can be used for finding the length of a degree of longitude corresponding to any given latitude; thus, multiply the natural cosine of the given latitude by 60, the product will be the length of a degree of longitude in geographical or nautical miles; or multiply the same by 69·121, and the product will be the length in English miles.

NATURAL TANGENTS AND COTANGENTS, SECANTS AND COSECANTS.

(35) This table is used in the same manner as the table of natural sines and cosines, namely, by finding the degrees at the top of the page, and the minutes of the angle at the left side of the page, when the quantity sought is a tangent or secant; but the degrees must be found at the bottom of the page, and the minutes at the right-hand side of the page, when the quantity sought is a cotangent or cosecant; the quantity sought will then be found at the angle of intersection of these columns, or it is the only quantity which is common to both columns.

If the given angle contain seconds, find the difference between the quantity corresponding to the minutes in the given angle, and that corresponding to the next higher minute, which will give the change for 1' = 60'', which call D, and let d be the correction corresponding to the seconds in the given angle, which call s; then

$$60'': s'':: D: d$$

$$\therefore d = \frac{sD}{60} = \text{the correction sought.}$$

This correction must be applied by addition if the quantity sought be a tangent or secant, but by subtraction if it be a cotangent or cosecant.

If the angle be sought which corresponds to a given tangent or secant, cotangent or cosecant; find the next less, if it be not found exactly in the table, when the given quantity is a tangent or secant, but the next greater when it is a cotangent or cosecant, and take the difference between it and the given quantity, which call d; also take the difference between this tabular quantity and that corresponding to the next higher minute, which call D; then

D:
$$d$$
:: 60": (s = the seconds sought),
$$\therefore s = \frac{60 \ d}{\mathbf{D}}$$

EXAMPLE I.

Find the natural tangent of 42° 17′ 43".

Natural tangent of
$$42^{\circ} 17'$$
 = $9093984 + 9093984 + 9099300$
Difference for $60'' = D$ = 5316
 $d = \frac{43 D}{60} = \frac{43 \times 5316}{60} = 3810 + 9097794$

EXAMPLE II.

Find the natural cotangent of 42° 17′ 43".

Natural cotangent of 42° 17' " " 42° 18'	=	1:0996281+ 1:0989857
Difference for $60'' = D$	=	6424
$d = \frac{43 \text{ D}}{60} = \frac{43 \times 6424}{60}$	=	4604-
natural cotangent 42° 17′ 43″	=	1.0991677

EXAMPLE III.

Find the angle whose natural tangent is '7342856.

Given natural tangent = .7342856
Natural tangent 36° 17′ = .7341253

$$\therefore d$$
 = .1603
Also natural tangent 36° 18′ = .7345730
 $\therefore D$ = .745730
But $s = \frac{60 \ d}{D} = \frac{60 \times 1603}{4477} = \frac{96180}{4477} = 21″.5$.

Hence '7342856 = natural tangent of 36° 17′ 21".5.

EXAMPLE IV.

Find the angle whose natural cotangent is 2.1583764.

Given natural cotangent	=	2.1583764
Natural cotangent of 24° 51'	=	$2 \cdot 1592476$
∴ d _	=	8712
Also natural cotangent of 24° 52'	=	2.1576015
∴ D	=	16461
But $s = \frac{60 \times d}{D} = \frac{60 \times 8712}{16461} =$	522720	= 31".7.

Hence 2.1583764 =natural cotangent of $24^{\circ} 51' 31".7$.

(36) The calculations for the secants and cosecants, where the angle involves seconds, is the same as those given above for tangents and cotangents.

DIFFERENCE OF LATITUDE AND DEPARTURE;

OR, TRAVERSE TABLE.

(37) These tables contain the parts of right-angled plane triangles whose greatest sides are integers not exceeding 300; the angles in pages 334 to 349 being given to every quarter-point of the compass, and those from pages 350 to 394 to every degree of the quadrant. If the sides of the proposed triangle should exceed the limits of the table, they may be divided by any number that

will bring the quotients within these limits; and then the results from the table, multiplied by the same number, will give the required parts of the proposed triangle; observing that the angles must in no case be multiplied and divided.

These tables are very useful in resolving problems in Navigation by inspection in which right-angled triangles are concerned, when minute accuracy is not required; and from their use in facilitating the reduction of compound courses to single ones, they are called *Traverse Tables*.

Each angle at the top or the bottom of the page may be considered as the vertical angle of a right-angled triangle, and the side opposite that angle is found in the column marked Dep., the adjacent side in the column marked Lat., and the hypotenuse in the column marked Dist., all adjoining each other in the same line.

Thus, with the vertical angle 33°, and base 128, the perpendicular is found 197·1, and the hypotenuse 235. With the perpendicular 115·9, and base 209, the vertical angle is found 61°, and the hypotenuse 239.

With a course of $3\frac{1}{2}$ points, and a distance of 256, the difference of latitude is found 1979 in the column marked Lat., and the departure 1624 in the column marked Dep. With a middle latitude 39° considered as the vertical angle of a right-angled plane triangle, and a departure of 1412, considered as the perpendicular of the same triangle, we have the difference of longitude nearly 182, as the hypotenuse in the column marked Dist. With a course of 18°, and a meridional difference of latitude of 217 in the column of Lat., we have in the column of Dep. nearly 70.5 for the difference of longitude.

TO COMPUTE THE EQUATION OF EQUAL ALTITUDES.

(38) In taking equal altitudes of the sun, one in the forenoon and the other in the afternoon, since the sun's declination generally changes in the interval, the hour angles corresponding to the two altitudes are not exactly equal. Hence half the interval added to the time of the first observation requires a correction, in order to give the time shewn by chronometer when the sun is on the meridian. This correction is called the 'equation of equal altitudes.'

DIURNAL PROPORTIONAL LOGARITHMS.

(39) Instead of the logarithms in this table being the logarithms of the number of minutes in the time, they are the logarithms of the minutes in $24^{\rm h}=1440^{\rm m}$ diminished by the logarithm of the minutes in the given time; thus, the logarithm in the table for $7^{\rm h}$ $14^{\rm m}=434^{\rm m}$ is

L 1440 − L 434 or 3·1583625 − 2·6374897 = ·5208728 ∴ L 7h 14m = ·52087 to five decimals. To work a proportion by this table, let $a=24\mathrm{h}, b=$ any less number of hours, or hours and minutes; c= any number of hours and minutes, or degrees and minutes, or minutes and seconds of an angle: then

$$a:b::c:x=$$
 the answer;

and dividing a by each term
$$\frac{a}{a}:\frac{a}{b}:\frac{a}{c}:\frac{a}{x}$$

hence
$$\frac{a}{x} = \frac{a}{b} \times \frac{a}{c}$$
 since $\frac{a}{a} = 1$
 $\therefore L \frac{a}{x} = L \frac{a}{b} + L \frac{a}{c}$

and therefore the tabular logarithm of x = the sum of the tabular logarithms of b and c,

EXAMPLE.

If the change in right ascension of a body be 6° 21' in 24h, what will be its change in 17h 25m?

Here we have $24h: 17h \ 25m: 6^{\circ} \ 21': x$ but $L \ 17h \ 25m = 13925$ and $L \ 6^{\circ} \ 21' = 57744$ $L \ 4^{\circ} \ 36' \ 29'' = 71669$ Surv

Hence the change sought = 4° 36' 29".

TERNARY PROPORTIONAL LOGARITHMS.

(40) The logarithms given in this table are the remainders found by subtracting the common logarithm of the seconds in the time, from the logarithm of the seconds in three hours = 10800 seconds; thus, the logarithm of 1h 50m 19s = 6619s is

.. I. 1h 50m 19s = 21263 to five decimals.

EXAMPLE.

I. the moon's change of declination in three hours be 6' 18", what will be its change in 2h 45m 30s?

L 2h 45m 30s = $\cdot 03647$ L 6' 18'' = $1 \cdot 45593$ L $5' 47'' \cdot 5$ = $1 \cdot 49240$ Sum.

Therefore the change sought = 5' 47".5.

AMPLITUDES.

(41) By means of this table the true amplitude is taken out by inspection, whereby the method of finding the variation of the compass, by comparing the magnetic with the true amplitude, is very much facilitated. The table is to be entered with the declination at the top, and the latitude in the left-side column, and under the declination and opposite to the latitude will be found the amplitude sought. When there are minutes in the declination or latitude, or in both, take proportional parts of the change for one degree, and apply the result to the quantities given in the table.

SEMI-DIURNAL AND SEMI-NOCTURNAL ARCS.

(42) This table shews half the time that a celestial object continues above the horizon, when the declination and latitude are of the same name, or below it when they are of contrary names; hence, from it the apparent time of its rising and setting may be obtained.

The table is to be entered with the latitude in the left-hand column and the declination at the top; in the angle of meeting will be found the arc required, which, if the object be the sun, will be the apparent time of his setting when the latitude and declination are of the same name, and of his rising when they are of contrary names; this subtracted from 12 hours will give the apparent time of the sun's rising in the former case, and of his setting in the latter; double the time of his rising will be the length of the night, and double the time of his setting the length of the day.

The semi-diurnal arc expresses the time that a celestial object takes in ascending from the eastern horizon to the meridian; or of its descending from the meridian to the western horizon.

EXAMPLE.

Suppose in latitude 51° 30′ N., when the sun's declination is 20° N., it be required to find the apparent time of the sun's rising and setting, with the length of the day and night.

Under dec. 20°, and taking half the sum of that corresponding to 51° and 52°, we get for the apparent time of sun setting	h. m. 7 49
Which being taken from	12 0
Gives the apparent time of the sun's rising	4 11
Then $7^h 49^m \times 2$, gives for the length of the day And $4^h 11^m \times 2$, gives for the length of the night	15 38 8 22

TO FIND THE APPARENT TIME OF A STAR'S RISING AND SETTING.

(43) Subtract the sun's right ascension from the star's right ascension, increased, if necessary, by 24 hours; the remainder will be the approximate time of the star's passing the meridian.

Then, with the latitude of the place and the star's declination, enter the table,

and find the semi-diurnal arc corresponding thereto, which being subtracted from the time of the meridian passage, will give the time of the star's rising, and added to the same will give the time of its setting.

To obtain the mean time of the sun or a star's rising or setting, the equation of time, taken from the *Nautical Almanac*, must be applied to the apparent time found as above.

The mean time of the rising and setting of the planets may be computed as above, by taking out their declination and meridional passage from the *Nautical Abnanac* for the given year.

TO FIND THE TIME OF THE RISING AND SETTING OF THE MOON.

(44) Take the mean time of the moon's meridional passage at Greenwich from page iv. of the *Nautical Almanac*, and to it apply the correction from table, page 432, to obtain the time of her meridional passage at the given place.

Then, with the moon's declination at the time of her passing the meridian (N.A.), page v. to xii. of each month), and the latitude of the place, find the semi-diurnal arc, and increase it by $\frac{1}{30}$ th of itself, subtract the sum from the time of the meridional passage, and the remainder will be the time of her rising nearly; again, add the same increased arc to the time of the meridional passage, the sum will be the time of her setting nearly.

(45) If still greater accuracy be required, take from the Nautical Almanae the moon's declination corresponding to the approximate times of rising and setting as found above, reduced to Greenwich time; find the semi-diurnal arcs corresponding to each declination and the latitude of the place; then, from Table (396-7) add the logs. of the semi-diurnal arcs thus found, and that of the daily change of the moon's meridional passage; the sums will be the logs. of the corrections to be added to these arcs to find the true semi-diurnal arcs; then apply each of the results to the time of the moon's meridional passage as directed above, and the times of rising and setting will be found very near the truth.

MERIDIONAL PARTS.

(46) The table of meridional parts is used in nautical computations in Mercator's sailing, and in finding the lengths of the meridian lines on maps constructed on Mercator's projection; it can be calculated from the formula—

Mer. pts. = 7915.7046 {Log.₁₀ tan. $(45 + \frac{l^2}{2}) - 10$ }, l^9 being the latitude.

EXAMPLE I.

To find the meridional difference of latitude for two given latitudes, namely, 57° 9' N. and 35° 1' N.

M. P. for 57° 9' = 4199·2 N. M. P. for 35° 1' = $2245 \cdot 5$ N. Meridional diff. lat. = $1953 \cdot 7$ When the latitudes are of different names, the meridional parts for the two given latitudes are to be added and the sum will be the required meridional difference of latitude.

EXAMPLE II.

A ship has sailed northerly till her meridional difference of latitude is 1052, and the latitude of the port sailed from was 38° 17′ N.; required the latitude in.

M. P. for 38° 17'	=	2489.9 N.
Meridional diff. lat.	=	1052·0 N.
M. P. for 50° 43'	_	3541.9 N.

The latitude in is therefore 50° 43'.

When the given latitude of the place sailed from and the meridional difference of latitude have different names, the difference between the meridional parts of the latitude sailed from and the meridional difference of latitude must be taken, and the required latitude corresponding to this difference will be of the same name with the latitude sailed from, when the meridional parts for the latter exceed the meridional difference of latitude, but of a different when they are less.

EXAMPLE III.

The latitude left is 15° 9′ N., and the meridional difference of latitude is 695.6 S.; required the latitude in.

M. P. for 15° 9'	==	919·8 N.
Meridional diff. of lat.	=	695·6 S.
M P for 2º 44'	_	994.9 N

Hence the latitude in is 3° 44' N.

EXAMPLE IV.

The latitude left is 11° 36′ N., the meridional difference of latitude is 1238 S.; required the latitude in.

M. P. for 11° 36′	=	700·8 N.
Meridional diff. of lat.	=	1238·0 S.
M. P. for 8° 55'	=	537·2 S.

Hence the latitude in is 8° 55' S.

APPARENT DEPRESSION OF THE HORIZON.

(47) The apparent depression of the horizon for any height of the eye not exceeding 110 feet, is given in this table. The principle on which it is constructed is explained in article 855 of the *Practical Mathematics*.

The depression, for example, of the horizon when the height of the eye is 30 feet, is 5' 18", and this is to be subtracted from the observed altitude.

If the observed altitude is 40° 18'9", and the height of the eye 12 feet, then opposite to 12 is the dip 3' 21"; hence—

Observed altitude = 40° 18′ 9″ Dip for 12 feet = -0 3 21 Apparent altitude = 40° 18′ 9″ 40 14 48

DIP OF THE SEA AT DIFFERENT DISTANCES FROM THE OBSERVER.

(48) When the altitude of an object is to be taken, and the horizon is not bounded by the sea in consequence of intervening land, the altitude is taken from the line bounding the sea and land; and as this line is lower than the horizon, the correction for its depression will be greater than that for the depression of the sea horizon, and the more so the nearer this line is to the eye of the observer. The quantity of this depression is given in the table.

The depression, for example, when the height of the eye is 30 feet, and the

bounding-line 21 miles distant, is 8'.

Let the observed altitude = 32° 14' Then dip for 30 feet and $2\frac{1}{2}$ miles of distance = 0 8 Hence apparent altitude = 32° 6

CONTRACTION OF THE SEMI-DIAMETERS OF SUN AND MOON.

(49) In the uppermost line of this table is the altitude of the sun or moon, and in the left column is the inclination of that semi-diameter to the horizon, whose contraction is required. (See *Practical Mathematics*, article 846.)

Thus, for an altitude of 10°, the contraction of the vertical diameter, whose inclination to the horizon is 90°, is 8"; for an altitude of 14°, and an inclination of 45°, the contraction is 2".

Also, when the horizontal semi-diameter of the moon is 15' 30'', and its altitude 12°, its semi-diameter, which is inclined 60° to the horizon, is

 $= 15' \ 30'' - 4'' = 15' \ 26''$

REDUCTION OF MOON'S EQUATORIAL PARALLAX.

(50) In the top line of this table is contained the horizontal equatorial parallax registered in the Nautical Almanac; and the correction to be applied to it, in order to reduce it to the horizontal parallax for any latitude, is given in the column under it, and opposite to the latitude, which is contained in the left column. The correction is always subtractive.

Thus, for example, the reduction for a registered parallax of 54' 20", and the latitude of 36°, is 3".7; hence the horizontal parallax for the given latitude is

MEAN REFRACTION.

(51) In this table, the mean refraction is given for the pressure 29.6 inches, and temperature 50°. The principle on which it is computed is explained in Prob. VIII., article 852, of the *Practical Mathematics*.

The refraction for an altitude of 32° 10' is found opposite to it in the next column, and is 1' 30".

Apparent altitude	=	32°	10′	0''	
Mean refraction	=	0	1	30	
True altitude	=	32	8	30	

CORRECTION OF MEAN REFRACTION.

(52) When the pressure and temperature differ from 29.6 and 50°, the correction can be computed by the formula in article 853 of the *Practical Mathematics*.

In the preceding example, in which the apparent altitude is 32° 10′, let the temperature and pressure be 69° and 30°35, instead of 50° and 29°6; then the correction in the table for

Altitude 32° 10′ and temperature 69° is	=	-0°	0′	4"
Altitude 32° 10′ and pressure 30.35 is	=	+ 0	0	2
Correction for both is	=	- 0	0	2
Mean refraction	=	0	1	30
True refraction	=	0	1	28
Apparent altitude	=	32	10	0
True altitude	=	32	8	32

SUN'S PARALLAX IN ALTITUDE.

(53) This table contains the altitude of the sun in one line, and its parallax in the adjacent line, which is always additive to the altitude.

BESSEL'S REFRACTIONS.

(54) Professor Bessel, of Königsberg, constructed the table given as Bessel's Refractions, which is now generally used where great accuracy is required. In addition to the observed apparent altitude, it is necessary to ascertain the height of the barometer, upon which depends the factor B; also of the thermometer attached to the barometer, upon which depends the factor t; and of the temperature of the external air, upon which depends the factor T. If the attached thermometer is not observed, we may assume that its indications are the same as those of the external thermometer.

The refraction may be computed either by natural numbers or by logarithms. The latter method is the more accurate, as the corrections required for small altitudes, indicated by the factors M and N, can be conveniently applied only with logarithms. When the altitude is not small, and the greatest accuracy is not required, the use of logarithms may be dispensed with.

BY NATURAL NUMBERS.—Let R = the mean refraction in seconds taken from the table, and B, t, and T, as stated above; then the true refraction in seconds $= R \times B \times t \times T$.

EXAMPLE.

The observed altitude of a star was 38° 17' 45''; the barometer, 30.57 inches; the attached thermometer, $40^{\circ}.7$ Fahr.; and the external, $41^{\circ}.3$ Fahr. It is required to compute the refraction.

Mean refraction for 38° 17′ 45″ is 1′ 13″ = 73″ = R. Barometer, 30·57; factor B, 1·033. Attached thermometer, 40°·7; factor t, 0·999. External thermometer, 41°·3; factor T, 1·014. B × t × T = 1·033 ×·999 × 1·014 = 1·046. True refraction = 73″ × 1·046 = 76″·3 = 1′ 16″·3.

By Logarithms.—Take from the table the factor log. B, corresponding to the height of the barometer; and the factors log. t and log. T, corresponding to the attached and external thermometers. Also take log. A and M and N corresponding to the apparent altitude. Multiply the sum of log. B and log. t by M; also multiply log. T by N. Take the algebraic sum of these products, and add to it log. A, and the logarithmic cotangent of the apparent altitude. The sum will be the logarithm of the refraction expressed in seconds of arc. The rule is expressed algebraically as follows: The logarithm of the refraction in seconds is = log. cotan. app. alt. $+ \log$. A + M (log. B $+ \log$. t) + N log. T.

EXAMPLE.

The observed apparent altitude of a star was 7° 10′ 15″; the barometer, 29.98 inches; the attached thermometer, 53°.4 Fahr.; and the external thermometer, 51°.6 Fahr. Required the refraction.

```
Log. cot. 7° 10′ 15″ ... ... = 0.90028 M = 1.0073

Log. A ... ... ... = 1.73350 N = 1.0724

Log. t = -0.00083

Log. B + log. t = +0.00476

M (log. B + log. t) = 1.0073 × .00476 = 0.00479

N log. T = 1.0724 × -0.00241 = -0.00258

∴ log. refraction = 2.63599

Refraction = 432″.5 = 7′ 12″.5
```

CORRECTION OF MOON'S MERIDIAN PASSAGE.

(55) In the top line of this table is contained the daily retardation corresponding to the registered meridian passage, and in the left column the longitude; under the former and opposite to the latter is the correction to be applied to the time of the registered passage at Greenwich on the given day, to obtain the meridian passage at the given place. It is to be applied by addition for west, and by subtraction for east longitude. (See an example and explanation in the *Practical Mathematics*, articles 869 and 870.)

AUGMENTATION OF MOON'S SEMI-DIAMETER.

(56) In this table the moon's horizontal semi-diameter is given in the top line, and its apparent altitude in the left column; under the former and opposite to the latter is the augmentation, or increase in the moon's apparent semi-diameter, on account of her being nearer to the observer than when in the horizon.

Thus, for the horizontal semi-diameter 15' 20", and altitude 21°, the augmentation is 5"5; hence the augmented semi-diameter

$$= 15' \ 20'' + 5'' \cdot 5 = 15' \ 25'' \cdot 5.$$

MUTUAL CONVERSION OF SIDEREAL AND MEAN TIME.

(57) In this table the given time, whether mean or sidereal, is to be found in the left column; and in the next column to the right is the corresponding correction to be applied by addition or subtraction, according as sidereal or mean time is required.

The correction to be subtracted from sidereal time is called the *retardation* of mean on sidereal time; and the correction to be added to mean time is called the *acceleration* of sidereal on mean time.

The upper half of the table is used for changing solar into sidereal time by adding the correction; and the lower half for changing sidereal into solar time by subtracting the correction.

EXAMPLE.

Given 10h 18m 58s·32 of mean time, to find the corresponding sidereal time.

~.							h.	m.	s.	
Given time	;					=	10	18	58.32	mean time.
		h.	m.	S.	-					
Acceleration	n on	10	0	0		=	0	1	38.57	
"	"	0	18	0		=	0	0	2.96	
"	"	0	0	58		=	0	0	0.16	
"	"	0	0	0.32		=	0	0	0.00	
		10	18	58.32		_ = -	+ 0	1	41.69	
Req	uire	i sid	lere	al time	•	=	- 10	20	40.01	

For an example in reducing sidereal to mear time, see Practical Mathematics, article 865.

For a table of time equivalents, see Nautical Almanac, pages 488 to 491.

REDUCTION OF DEGREES TO TIME.

(58) This table is used for reducing longitude to time at the rate of 15° to 1h. The degrees, minutes, or seconds are given in the odd columns, and the corresponding time in the even columns. When the first column is reckoned degrees, the second is hours and minutes of time; and when the first is minutes of space, the second is minutes and seconds of time; and so on.

EXAMPLE.

Convert 161° 5' 20" of longitude into time.

		n.	m.	S.
160°	-	10	40	0
1°	-	0	4	0
5'	=	0	0	20
20"		0	0	1.3
Required time	=	10	44	21.3

REDUCTION OF TIME TO DEGREES.

(59) This table is the converse of the preceding. The time is given in the odd, and the longitude in the even columns. The corresponding denominations of time and space are to be understood as in the preceding table.

EXAMPLE.

Convert 5h 22m 10s 40t to longitude. (1t equals \(\frac{1}{60}\) of 1s.)

5h	= 75° 0′ ()' <i>'</i>
22m	= 5 30 ()
10s	= 0 2 30)
40t	=) 0 0 10)
equired longitude	- 80 32 40	-

MEAN MOTION OF SUN FOR PERIODS OF MEAN TIME.

(60) This table gives, in parts of space, the mean motion of the mean sun in right ascension for periods of mean time.

Thus, the sun's mean motion in right ascension in 10 hours of mean time is = 24' 38".469, and in 10 days it is 9° 51' 23".25.

The mean motion in the table is just equivalent to the retardation in mean time on the corresponding tabular mean time, or to the acceleration in sidereal time on the corresponding tabular time considered as sidereal.

The corresponding mean motion in parts of space in this table, and the accelerations and retardations in the table, page 433, are therefore equivalents.

Thus, for 24 hours mean time, the mean motion is 59' 8"325; the retardation, 3m 55s'91 mean time; and the acceleration is 3m 56s'56 sidereal time.

Since	e 24h s.t.	=	24h m.t.	_	3m 55s·91 m.t.
Therefore	24h m.t.	=	24h s.t.	+	3m. 55s·91 m.t.
Also	24h m.t.	=	24h s.t.	+	3m 56s·56 s.t.
And	24h m.t.	=	360°	+	59′ 8″•325
Also	24h s.t.	=	360° of eq	uator, w	herefore
	59' 8":325	=	3m 56s 56 s	i.t. =	3m 55s-91 m.t.

By converting the time in this table, considered as sidereal, into its value in parts of space (by table, page 434), and adding to it the corresponding mean motion, the sum will be the value of the time, considered as mean time, expressed in parts of the equator.

Thus,
$$24^{\text{h}}$$
 m.t. = 24^{h} s.t. + 59' 8"'325
= 360° 59' 8"'325.

DISTANCE OF THE VISIBLE HORIZON.

(61) By means of this table the distance of the visible horizon corresponding to any given height can be found by inspection; and conversely.

EXAMPLE.

The distance of the visible horizon for a height of 720 feet is 28.53 miles.

This is, however, the tangential distance; and if the actual distance is required, a correction for refraction must be added. (See *Practical Mathematics*, articles 587 and 594.)

Thus, if the refraction at the time of observation increases the distance 10, then the actual distance for the above example is

$$= 28.53 + 2.85 = 31.38$$
 miles.

When the distance of the horizon seen from any height is given, the height can be found by the same table. In this case the actual distance is previously to be reduced to the tangential distance by subtracting a necessary correction for refraction.

When the given height is beyond the limits of the table, take $\frac{1}{4}$, $\frac{3}{6}$, or $\frac{1}{16}$... of it, and multiply the corresponding distance by 2, 3, or 4... respectively, and the result is the tangential distance. The reason of this rule is, that the heights are proportional to the squares of the distances.

Thus, if the height is 10200, take its fourth, 2550, and the corresponding distance 53.7 multiplied by 2, gives 107.4, the tangential distance for 10200 feet.

In practice, however, the use of the table ought to be limited to 60 or 80 miles.

REDUCTION OF THE MOON'S HORIZONTAL PARALLAX AND SEMI-DIAMETER TO ANY GIVEN GREENWICH DATE.

(62) Find the change in the horizontal parallax or semi-diameter for 12 hours at the top of the table, and under that change, and opposite to the time on the left for which the correction is required, will be found the seconds to be applied by addition or subtraction, according as the quantity whose correction is required is increasing or decreasing.

BINOMIAL COEFFICIENTS FOR INTERPOLATION BY DIFFERENCES.

(63) In this table, if t = the part, the 2d diff. $= \frac{t(t-1)}{1 \cdot 2}$, the third diff. $= \frac{t(t-1)(t-2)}{1 \cdot 2 \cdot 3}$, the 4th diff. $= \frac{t(t-1)(t-2)(t-3)}{1 \cdot 2 \cdot 3 \cdot 4}$, and the 5th diff. $= \frac{t(t-1)(t-2)(t-3)(t-4)}{1 \cdot 2 \cdot 3 \cdot 4 \cdot 5}$. When t is +, the 1st, 3d, and 5th differences are +, and the 2d and 4th -; but if t is -, the 1st, 3d, and 5th are -, and the 2d and 4th +.

LINKS TO BE SUBTRACTED FROM EACH CHAIN IN AN ASCEND-ING OR DESCENDING LINE, IN ORDER TO REDUCE IT TO THE HORIZONTAL MEASURE.

(64) In measuring inclined lands, the lines measured in an acclivity or declivity being longer than their projections on the horizontal plane, must be reduced according to the angle of ascent or descent.

The number of links to be deducted from each chain, for any number of degrees in the angle, as far as 23° 4′, are given in Part I. of the table.

The Second Part contains the angles to which corresponds a reduction of a whole number of links or quarter links. As it is more convenient to subtract these numbers than those in Part I, the angle in Part II. nearest to the observed angle may be chosen, and the corresponding number of links used for reduction, which will generally be sufficiently correct in practice. If greater accuracy is required, multiply the measured length into the natural cosine of the inclination to the horizon (Table, page 263).

EXAMPLES.

- 1. For an angle of 9°, the reduction by Part I. on a line of 12 chains, would be $12 \times 1.24 = 14.88$ links, and the horizontal line is = 1200 14.88 = 1185.12.
- 2. For the same angle and line, the reduction by Part II. is $12 \times 1\frac{1}{4} = 15$ links, and the horizontal line is = 1200 15 = 1185 links.

HEIGHT OF APPARENT ABOVE TRUE LEVEL.

(65) This table is very useful in levelling, as it contains the corrections to be deducted from the height of a point on apparent level with another point, in order to determine that which is on a true level with the latter.

Thus, for a distance of 100 chains, the correction is $11\frac{1}{3}$ inches.

So for a distance of 80 chains, or 1 mile, the correction is 8 inches. But if refraction is taken into account, the correction will be $\frac{1}{6}$ less, or = 8 inches $- 1\frac{1}{3}$ inch $= 6\frac{2}{3}$ inches. Or $h = \frac{5}{9}$ $d^2 = \frac{5}{9} \times 1^2 = \frac{5}{9}$ feet = 6.7 inches.

AREAS, APOTHEMS, AND ANGLES OF POLYGONS.

(66) This table contains the apothems, areas, interior and central angles of polygons for the side = 1; for any other length of side, multiply the tabular apothem by the given length of the side, and the tabular area by the square of the length, and the products will be the apothem and area sought. The angles remain the same whatever the length of the side may be.

QUARTER SQUARES OF ALL NUMBERS, FROM 1 TO 5100.

(67) This table is used for performing multiplication by addition and subtraction alone: for, since $\frac{1}{4}(a+b)^2 - \frac{1}{4}(a-b)^2 = ab$; if a = the multiplicand and b = the multiplier, then the quarter square of their sum, diminished by the quarter square of their difference, gives their product; thus, let a = 736, and b = 247, then (a+b) = 983, and (a-b) = 489;

But Q. sq. of 983 = 241572And Q. sq. of 489 = 59780

 $\therefore ab = 736 \times 247 = 181792$ diff. = product.

Also, if a = 593, and b = 406, then (a + b) = 999, and (a - b) = 187; But Q, sq. of 999 = 249500

And Q. sq. of 187 = 249300

∴ $ab = 593 \times 406 = 240758$ diff. = product.

Note 1.—The quarter squares of all odd numbers are given here $\frac{1}{4}$ or 25 too small; but this never causes any error in the calculation, for if the sum of two numbers be odd, so is their difference, and the fourths destroy each other.

Note 2.—This table may also be used for obtaining the squares of numbers; for, if the quarter squares be multiplied by 4, the product will be the square of the number, if it be even; and increased by 1, will be the square if the number be odd; or, the quarter square of double the number is always the square of that number.

CONVERSION OF THE DIFFERENT THERMOMETRIC SCALES.

(68) The conversions in this table apply only to integral degrees; the equivalents of fractions being readily ascertained by proportion from the difference between the equivalent of the degree given and that of the next higher in the table; but any of the scales may be converted into the other by the following formulæ:

Let F° = the Fahrenheit degrees; R° = the Reaumur; C° = the Centigrade.

Then $F^{\circ} = \frac{9}{4} R^{\circ} + 32^{\circ} = \frac{9}{4} C^{\circ} + 32^{\circ}$ $R^{\circ} = \frac{4}{3} C^{\circ} = \frac{4}{3} (F^{\circ} - 32^{\circ})$ $C^{\circ} = \frac{5}{3} (F^{\circ} - 32^{\circ}) = \frac{4}{3} R^{\circ}$

TABLE

OF

LOGARITHMS

SEVEN PLACES OF DECIMALS,

OF NUMBERS

1 то 108000.

No. Log.	No. Log.	No. Log.	No. Log.	No. Log.
1 0000000	51 7075702	101 0043214	151 1789769	201 3031961
2 3010300	52 7160033	102 0086002	152 1818436	202 3053514
3 4771213	53 7242759	103 0128372	153 1846914	203 3074960
4 6020600	54 7323938	104 0170333	154 1875207	204 3096302
5 6989700	55 7403627	105 0211893	155 1903317	205 3117539
6 7781513	56 7481880	106 0253059	156 1931246	206 3138672
7 8450980	57 7558749	107 0293838	157 1958997	207 3159703
8 9030900	58 7634280	108 0334238	158 1986571	208 3180633
9 9542425	59 7708520	109 0374265	159 2013971	209 3201463
10 0000000	60 7781513	110 0413927	160 2041200	210 3222193
11 0413927	61 7853298	111 0453230	161 2068259	211 3242825
12 0791812	62 7923917	112 0492180	162 2095150	212 3263359
13 1139434	63 7993405	113 0530784	163 2121876	213 3283796
14 1461280	64 8061800	114 0569049	164 2148438	214 3304138
15 1760913	65 8129134	115 0606978	165 2174839	215 3324385
16 2041200	66 8195439	116 0644580	166 2201081	216 3344538
17 2304489	67 8260748	117 0681859	167 2227165	217 3364597
18 2552725	68 8325089	118 0718820	168 2253093	218 3384565
19 2787536	69 8388491	119 0755470	169 2278867	219 3404441
20 3010300	70 8450980	120 0791812	170 2304489	220 3424227
21 3222193	71 8512583	121 0827854	171 2329961	221 3443923
22 3424227	72 8573325	122 0863598	172 2355284	222 3463530
23 3617278	73 8633229	123 0899051	173 2380461	223 3483049
24 3802112	74 8692317	124 0934217	174 2405492	224 3502480
25 3979400	75 8750613	125 0969100	175 2430380	225 3521825
26 4149733	76 8808136	126 1003705	176 2455127	226 3541084
27 4313638	77 8864907	127 1038037	177 2479733	227 3560259
28 4471580	78 8920946	128 1072100	178 2504200	228 3579348
29 4623980	79 8976271	129 1105897	179 2528530	229 3598355
30 4771213	80 9030900	130 1139434	180 2552725	230 3617278
31 4913617	81 9084850	131 1172713	181 2576786	231 3636120
32 5051500	82 9138139	132 1205739	182 2600714	232 3654880
33 5185139	83 9190781	133 1238516	183 2624511	233 3673559
34 5314789	84 9242793	134 1271048	184 2648178	234 3692159
35 5440680	85 9294189	135 1303338	185 2671717	235 3710679
36 5563025	86 9344985	136 1335389	186 2695129	236 3729120
37 5682017	87 9395193	137 1367206	187 2718416	237 3747483
38 5797836	88 9444827	138 1398791	188 2741578	238 3765770
39 5910646	89 9493900	139 1430148	189 2764618	239 3783979
40 6020600	90 9542425	140 1461280	190 2787536	240 3802112
41 6127839	91 9590414	141 1492191	191 2810334	241 3820170
42 6232493	92 9637878	142 1522883	192 2833012	242 3838154
43 6334685	93 9684829	143 1553360	193 2855573	243 3856063
44 6434527	94 9731279	144 1583625	194 2878017	244 3873898
45 6532125	95 9777236	145 1613680	195 2900346	245 3891661
46 6627578	96 9822712	146 1643529	196 2922561	246 3909351
47 6720979	97 9867717	147 1673173	197 2944662	247 3926970
48 6812412	98 9912261	148 1702617	198 2966652	248 3944517
49 6901961	99 9956352	149 1731863	199 2988531	249 3961993
50 6989700	100 0000000	150 1760913	200 3010300	250 3979400

			251	то 5	600			.01,76	74
No.	Log.	No. Lo	g. No .	Log.	No.	Log.	No.	Log.	168
251 252 253 254 255	4014005 4031205	301 4785 302 4800 303 4814 304 4828 305 4842	069 352 426 353 736 354	545307 546542 547774 549003 550228	7 402 17 403 13 404	$\begin{array}{c} 6031444 \\ 6042261 \\ 6053050 \\ 6063814 \\ 6074550 \end{array}$	451 452 453 454 455	6541765 6551384 6560982 6570559 6580114	
257 258 259	4082400 4099331 4116197 4132998 4149733	306 4857 307 4871 308 4885 309 4899 310 4913	384 357 507 358 585 359	551450 552668 553888 555094 556309	32 407 30 408 44 409	6085260 6095944 6106602 6117233 6127839	456 457 458 459 460	6589648 6599162 6608655 6618127 6627578	
264	4166405 4183013 4199557 4216039 4232459	311 4927 312 4941 313 4955 314 4969 315 4983	546 362 443 363 296 364	557507 558708 559906 561103 562299	$ \begin{array}{ccccccccccccccccccccccccccccccccc$		$\frac{462}{463}$ $\frac{464}{464}$	6637009 6646420 6655810 6665180 6674530	
267 268 269	4248816 4265113 4281348 4297523 4313638	316 4996 317 5010 318 5024 319 5037 320 5051	593 367 271 368 907 369	563483 564666 565843 567026 568203	$ \begin{array}{ccc} 61 & 417 \\ 78 & 418 \\ 64 & 419 \end{array} $	$\begin{array}{c} 6190933 \\ 6201361 \\ 6211763 \\ 6222140 \\ 6232493 \end{array}$	466 467 468 469 470	6683859 6693169 6702459 6711728 6720979	
273 274	4345689 4361626	321 5065 322 5078 323 5092 324 5105 325 5118	559 372 $025 373$ $450 374$	570543 57170	29 422 38 423 16 424	6242821 6253125 6263404 6273659 6283889	471 472 473 474 475	6730209 6739420 6748611 6757783 6766936	
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281 282 283 284 285	4502491 4517864 4533183	331 5198 332 5211 333 5224 334 5237 335 5250	381 382 442 383 465 384	58206 58319 58433	$egin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{6354837}{6364879}$	481 482 483 484 485	6821451 6830470 6839471 6848454 6857417	
286 287 288 289 290	$\begin{array}{c} 4578819 \\ 4593925 \end{array}$	336 5263 337 5276 338 5289 339 5301 340 5314	299 387 167 388 997 389	58771 58883 58994	10 437 17 438 96 439	$\begin{array}{c} 6414741 \\ 6424645 \end{array}$	486 487 488 489 490	6875290 6884198 6893089	
291 292 293 294 295	4653829 4668676 4683473	341 5327 342 5340 343 5352 344 5365 345 5378	261 392 941 393 584 394	59328 59439 59549	$egin{array}{cccc} 61 & 442 \ 26 & 443 \ 62 & 444 \ \end{array}$	6454223 6464037 6473830	$\frac{492}{493}$	$6928469 \\ 6937269$	
296 297 298 299 300	4727564 4742163	346 5390 347 5403 348 5415 349 5428 350 5440	$\begin{array}{ccc} 295 & 397 \\ 792 & 398 \\ 254 & 399 \end{array}$	59879 59988	$egin{array}{ccc} 05 & 447 \ 31 & 448 \ 29 & 449 \ \end{array}$	6503075 6512780	496 497 498 499 500	$6963564 \\ 6972293$	

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| 504 7024305 | 554 7435098 | 604 7810369 | 654 8155777 | 704 8475727 |
| 505 7032914 | 555 7442930 | 605 7817554 | 655 8162413 | 705 8481891 |
| 506 7041505 | 556 7450748 | 606 7824726 | 656 8169038 | 706 8488047 |
| 507 7050080 | 557 7458552 | 607 7831887 | 657 8175654 | 707 8494194 |
| 508 7058637 | 558 7466342 | 608 7839036 | 658 8182259 | 708 8500333 |
| 509 7067178 | 559 7474118 | 609 7846173 | 659 8188854 | 709 8506462 |
| 510 7075702 | 560 7481880 | 610 7853298 | 660 8195439 | 710 8512583 |
| 511 7084209 | 561 7489629 | 611 7860412 | 661 8202015 | 711 8518696 |
| 512 7092700 | 562 7497363 | 612 7867514 | 662 8208580 | 712 8524800 |
| 513 7101174 | 563 7505084 | 613 7874605 | 663 8215135 | 713 8530895 |
| 514 7109631 | 564 7512791 | 614 7881684 | 664 8221681 | 714 8536982 |
| 515 7118072 | 565 7520484 | 615 7888751 | 665 8228216 | 715 8543060 |
| 516 7126497 | 566 7528164 | 616 7895807 | 666 8234742 | 716 8549130 |
| 517 7134905 | 567 7535831 | 617 7902852 | 667 8241258 | 717 8555192 |
| 518 7143298 | 568 7543483 | 618 7909885 | 668 8247765 | 718 8561244 |
| 519 7151674 | 569 7551123 | 619 7916906 | 669 8254261 | 719 8567289 |
| 520 7160033 | 570 7558749 | 620 7923917 | 670 8260748 | 720 8573325 |
| 521 7168377 | 571 7566361 | 621 7930916 | 671 8267225 | 721 8579353 |
| 522 7176705 | 572 7573960 | 622 7937904 | 672 8273693 | 722 8585372 |
| 523 7185017 | 573 7581546 | 623 7944880 | 673 8280151 | 723 8591383 |
| 524 7193313 | 574 7589119 | 624 7951846 | 674 8286599 | 724 8597386 |
| 525 7201593 | 575 7596678 | 625 7958800 | 675 8293038 | 725 8603380 |
| 526 7209857 | 576 7604225 | 626 7965743 | 676 8299467 | 726 8609366 |
| 527 7218106 | 577 7611758 | 627 7972675 | 677 8305887 | 727 8615344 |
| 528 7226339 | 578 7619278 | 628 7979596 | 678 8312297 | 728 8621314 |
| 529 7234557 | 579 7626786 | 629 7986506 | 679 8318698 | 729 8627275 |
| 530 7242759 | 580 7634280 | 630 7993405 | 680 8325089 | 730 8633229 |
| 531 7250945 | 581 7641761 | 631 8000294 | 681 8331471 | 731 8639174 |
| 532 7259116 | 582 7649230 | 632 8007171 | 682 8337844 | 732 8645111 |
| 533 7267272 | 583 7656686 | 633 8014037 | 683 8344207 | 733 8651040 |
| 534 7275413 | 584 7664128 | 634 8020893 | 684 8350561 | 734 8656961 |
| 635 7283538 | 585 7671559 | 635 8027737 | 685 8356906 | 735 8662873 |
| 536 7291648 | 586 7678976 | 636 8034571 | 686 8363241 | 736 8668778 |
| 537 7299743 | 587 7686381 | 637 8041394 | 687 8369567 | 737 8674675 |
| 538 7307823 | 588 7693773 | 638 8048207 | 688 8375884 | 738 8680564 |
| 539 7315888 | 589 7701153 | 639 8055009 | 689 8382192 | 739 8686444 |
| 540 7323938 | 590 7708520 | 640 8061800 | 690 8388491 | 740 8692317 |
| 541 7331973 | 591 7715875 | 641 8068580 | 691 8394780 | 741 8698182 |
| 542 7339993 | 592 7723217 | 642 8075350 | 692 8401061 | 742 8704039 |
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| 545 7363965 | 595 7745170 | 645 8095597 | 695 8419848 | 745 8721563 |
| 546 7371926 | 596 7752463 | 646 8102325 | 696 8426092 | 746 8727388 747 8733206 748 8739016 749 8744818 750 8750613 |
| 547 7379873 | 597 7759743 | 647 8109043 | 697 8432328 | |
| 548 7387806 | 598 7767012 | 648 8115750 | 698 8438554 | |
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| 550 7403627 | 600 7781513 | 650 8129134 | 700 8450980 | |

No.	Log.	No.	Log.	No.	Log.	No. Log.	No. Log.
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756	8785218	806	9063350	856	9324738	906 9571282	956 9804579
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759	8802418	809	9079485	859	9339932	909 9585639	959 9818186
760	8808136	810	9084850	860	9344985	910 9590414	960 9822712
761	8813847	811	9090209	861	9350032	911 9595184	961 9827234
762	8819550	812	9095560	862	9355073	912 9599948	962 9831751
763	8825245	813	9100905	863	9360108	913 9604708	963 9836263
764	8830934	814	9106244	864	9365137	914 9609462	964 9840770
765	8836614	815	9111576	865	9370161	915 9614211	965 9845273
766	8842288	816	9116902	866	9375179	916 9618955	966 9849771
767	8847954	817	9122221	867	9380191	917 9623693	967 9854265
768	8853612	818	9127533	868	9385197	918 9628427	968 9858754
769	8859263	819	9132839	869	9390198	919 9633155	969 9863238
770	8864907	820	9138139	870	9395193	920 9637878	970 9867717
771	8870544	821	9143432	871	9400182	921 9642596	971 9872192
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774	8887410	824	9159272	874	9415114	924 9656720	974 9885590
775	8893017	825	9164539	875	9420081	925 9661417	975 9890046
776	8898617	826	9169800	876	9425041	926 9666110	976 9894498
777	8904210	827	9175055	877	9429996	927 9670797	977 9898946
778	8909796	828	9180303	878	9434945	928 9675480	978 9903389
779	8915375	829	9185545	879	9439889	929 9680157	979 9907827
780	8920946	830	9190781	880	9444827	930 9684829	980 9912261
781	8926510	831	$\begin{array}{c} 9196010 \\ 9201233 \\ 9206450 \\ 9211661 \\ 9216865 \end{array}$	881	9449759	931 9689497	981 9916690
782	8932068	832		882	9454686	932 9694159	982 9921115
783	8937618	833		883	9459607	933 9698816	983 9925535
784	8943161	834		884	9464523	934 9703469	984 9929951
785	8948697	835		885	9469433	935 9708116	985 9934362
786	8954225	836	$\begin{array}{c} 9222063 \\ 9227255 \\ 9232440 \\ 9237620 \\ 9242793 \end{array}$	886	9474337	936 9712758	986 9938769
787	8959747	837		887	9479236	937 9717396	987 9943172
788	8965262	838		888	9484130	938 9722028	988 9947569
789	8970770	839		889	9489018	939 9726656	989 9951963
790	8976271	840		890	9493900	940 9731279	990 9956352
791		841	9247960	891	9498777	941 9735896	991 9960737
792		842	9253121	892	9503649	942 9740509	992 9965117
793		843	9258276	893	9508515	943 9745117	993 9969492
794		844	9263424	894	9513375	944 9749720	994 9973864
795		845	9268567	895	9518230	945 9754318	995 9978231
796 797 798 799 800	$\frac{9014583}{9020029}$	846 847 848 849 850	9273704 9278834 9283959 9289077 9294189	896 897 898 899 900	9523080 9527924 9532763 9537597 9542425	946 9758911 947 9763500 948 9768083 949 9772662 950 9777236	996 9982593 997 9986952 998 9991305 999 9995655

No.	0	1	2	3	4	5	6	7	8	9 .	Diff.
1000	0000000					à 2171¹	2605	3039	3473	3907	1
01			5208						7810		
02	8677		9544			3 0844					433
03	001 3009								6472		2 87.
04 05	7337		8202		9007	5 9499	24952	4695	5116	554Q	8 130 4 173
	002 1661					3821					5 217 6 260
06			6843		7706	8138					7 303
07	003 0295								3744		8 346 9 390
08 09	4605		9772		$\frac{6328}{0633}$	1062	7402	1020	$\frac{8051}{2354}$	9794	430
10	004 3214				4933				6652		1 43
			-								2 86 3 129
1011			8371						0947		4 172
12	005 1805				3521				5237		5 215 6 258
$\begin{array}{c c} 13 \\ 14 \end{array}$	6094 006 0380								9523 3805		7 301
15			5516						8082		8 344 9 387
- 1											
16			9792		-				2355		427
17	007 3210			4490	4917		$\frac{5771}{2007}$		6624		1 43 2 85
18		7904		8757	9184		0037		0889		3 128
$\frac{19}{20}$	008 1742				3446				5150		4 171 5 214
		•	6853		7704				9407		6 256
.021	009.0257				1959	2384		3234			7 299 8 342
22			5359		$\frac{6208}{1000}$				7907		9 384
23			9605						2151		424
24	010 3000				4696				6391		1 42
25			8036		8933	9357	9780	0204	0627	1050	2 85
26	011 1474				3166		4013		4859		4 170
27			6550		7396	7818			9086		6 254
28			0776		1621		2465		3310		7 297
29	012,4154								7529		8 339 9 882
30			9215		0059				1744		100
1031	013 2587										421
32	6797								0162		1 42
33	0141003								4365		3 126
34			6045						8564		4 168 5 211
35	9403	9823	0243	0662	1082	1501	1920.	2340	2759	3178	6 253
36	015 3598							6531		7369	7 295 8 837
37						9881					9 879
38	016 1974								5319		418
39			6991						9498		1 42
40	017 0333	0751	1168	1586	2003	2421	2838	3256	3673	4090	2 84 8 125
1041			5342						7844		4 167 5 299
42			9511						2010		6 251
43	018 2843					14925					7 293 8 834
44	7005					9084					9 376
45	019 1163	1578	1994	2410	2825	3240	3656	4071	4486	4902	415
46	5317	5732	6147	6562	6977	47392	7807	8222	8637	9052	1 42 2 83
47	9467	9882	0296	0711	$\overline{1126}$	1540	1955	2369	2784	3198	8 125 4 166
	020 3613	4027	4442	4856	5270	5684	6099	6513	6927	7341	4 166 5 208 6 249
48											
48 49 1050	7755 021 1893	8169	8583			79824	0238	0652	1066	1479	6 249 7 291 8 332 9 374

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1050 51 52 53 54 55	021 1893 6027 022 0157 4284 8406 023 2525	6440 0570 (4696 8818	6854 0983 5109 9230	7267 1396 5521 9642	$\begin{array}{c} 7680 \\ 1808 \end{array}$		$\begin{array}{c} 4374 \\ 8506 \\ 2634 \\ \underline{6758} \\ 0878 \\ 4994 \end{array}$	$8919 \\ 3046 \\ 7170 \\ 1289$	9332	$9745 \\ 3871 \\ 7994$	412 1 41 2 82 3 124 4 165
56 57 58 59 60 1061 62 63	024 07503 4857 8960 025 3059 7154 026 1245	1161 5267 9370 3468 7563 1654	5678 9780 3878 7972	$\begin{array}{c} 1982 \\ \underline{6088} \\ 0190 \\ 4288 \\ 8382 \\ 2472 \end{array}$	$\begin{array}{c} 8284 \\ 2393 \\ 6498 \\ \hline 0600 \\ 4697 \\ 8791 \\ 2881 \\ 6967 \end{array}$	8695 2804 6909 1010 5107 9200 3289 7375	$\begin{array}{c} 9106 \\ 3214 \\ 7319 \\ \hline 1419 \\ 5516 \\ 9609 \\ 3698 \\ 7783 \end{array}$	$\begin{array}{c} 9517 \\ 3625 \\ 7729 \\ \hline 1829 \\ 5926 \\ \hline 0018 \\ 4107 \\ 8192 \end{array}$	$\begin{array}{c} 8139 \\ \hline 2239 \\ 6335 \\ \hline 0427 \\ 4515 \\ \end{array}$	$0\overline{339}$ 4446 8549 2649 6744 0836 4924 9008	5 206 6 247 7 288 8 330 9 371 409 1 41 2 82 3 123 4 164 5 205 6 245
64 65 66 67 68 69 70	$9416 \\ 0273496 \\ 7572 \\ 0281644$	$\begin{array}{c} 9824 \\ 3904 \\ 7979 \\ 2051 \\ \underline{6119} \\ 0183 \end{array}$	0233 4312 8387 2458 6526	$ \begin{array}{r} \overline{0641} \\ 4719 \\ 8794 \\ 2865 \end{array} $	$ \begin{array}{r} \hline 1049 \\ 5127 \\ 9201 \\ 3272 \\ \hline 7339 \\ \hline 1402 \\ 5461 \\ \end{array} $	1457 5535 9609 3679 7745 1808 5867	$\overline{1865}$	$\frac{2273}{6350}$	$\overline{2680}$	$\begin{array}{c} 3088 \\ 7165 \\ \hline 1237 \\ 5306 \\ 9371 \\ \hline 3432 \\ 7489 \\ \end{array}$	7 286 8 327 9 368 406 1 41 2 81 3 122
1071 72 73 74 75 76	7895 030 1948 5997 031 0043 4085 8123	8300 2353 6402 0447 4489	8706 2758 6807 0851 4893 8930	$\begin{array}{c} 9111 \\ 3163 \\ 7211 \\ 1256 \\ 5296 \end{array}$	9516 3568 7616 1660 5700	$9922 \\ 3973 \\ 8020$	$\overline{0327}$ 4378 8425 2468 6508	$\overline{0732}$ 4783 8830 2872 6912	$ \begin{array}{r} \hline 1138 \\ 5188 \\ 9234 \\ 3277 \\ 7315 \\ \hline 1350 \\ \end{array} $	$ \begin{array}{r} \hline 1543 \\ 5592 \\ 9638 \\ 3681 \\ 7719 \\ \hline 1754 \\ \end{array} $	4 162 5 203 6 244 7 284 8 325 9 365
77 78 79 80 1081	032 2157 6188 033 0214 4238 8257	2560 6590 0617 4640 8659	$\begin{array}{c} 2963 \\ 6993 \\ 1019 \\ 5042 \\ 9060 \end{array}$	3367 7396 1422 5444 9462	3770 7799 1824 5846 9864	4173 8201 2226 6248 0265	$4576 \\ 8604 \\ 2629 \\ 6650 \\ \hline 0667$	$4979 \\ 9007 \\ 3031 \\ 7052 \\ \hline 1068$	$5382 \\ 9409 \\ 3433 \\ 7453 \\ \hline 1470$	5785 9812 3835 7855 1871	1 40 2 81 3 121 4 161 5 202 6 242 7 282 8 322
82 83 84 85 86	$034\ 2273 \\ 6285 \\ 035\ 0293 \\ 4297 \\ 8298$	6686 0693 4698 8698	3075 7087 1094 5098	5498 9498		$\frac{6298}{0297}$	8690 2696 6698 0697	$\frac{7098}{1097}$	$9491 \\ 3497 \\ 7498 \\ \hline 1496$	$\frac{3897}{7898}$ $\frac{1896}{1}$	9 363 400 1 40 2 80 3 120 4 160 5 200
87 88 89 90 1091	$036\ 2295\ 6289\ 037\ 0279\ 4265\ 8248\ 038\ 2226$	6688 0678 4663 8646	5062 9044	7486 1475 5460 9442	7885 1874 5858 9839	$ \begin{array}{r} 8284 \\ 2272 \\ 6257 \\ \hline 0237 \end{array} $	$8683 \\ 2671 \\ 6655 \\ \hline 0635$	5091 9082 3070 7053 $\overline{1033}$ 5009	9481 3468 7451	9880	6 240 7 280 8 320 9 360
92 93 94 95 96 97	6202 039 0173 4141 8106 040 2066	6599 0570 4538 8502 2462	6996 0967 4934 8898 2858	7393 1364 5331 9294 3254	7791 1761 5727 9690 3650	$ 8188 2158 6124 \hline 0086 4045 $	$8585 \\ 2554 \\ 6520 \\ \hline 0482 \\ 4441$	8982 2951 6917 $\overline{0878}$ 4837	$9379 \\ 3348 \\ 7313 \\ \hline 1274 \\ 5232$	$9776 \\ 3745 \\ 7709 \\ \hline 1670 \\ 5628$	1 40 2 70 3 119 4 159 5 199 6 238 7 278 8 318
98 99 1100			0767	1162	1557	$\overline{1952}$	$-\frac{8396}{2347}$ -6295	2742	3137	3532	9 357

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No.	0	1	2	. 3	4	5	6	7	8	9	Diff.
1100 01 02 03 04 05	$0421816\\5755\\9691$	8268	$\begin{array}{r} 8662 \\ 2604 \\ \underline{6543} \\ 0477 \end{array}$	9056	$\begin{array}{c} 9451 \\ 3392 \\ \underline{7330} \\ 1264 \end{array}$	$\frac{3786}{7723}$ $\frac{1657}{1}$	$\begin{array}{c} 0239 \\ 4180 \\ 8117 \\ 2050 \\ \end{array}$	0633 4574 8510	$\begin{array}{c} 7084 \\ \hline 1028 \\ 4968 \\ 8904 \\ \hline 2837 \\ 6766 \end{array}$	1422	394 1 39 2 79 3 118 4 158 5 197 6 236 7 276
06 07 08 09 10	$0441476\\5398\\9315\\0453230$	5790 9707	$\begin{array}{c} 2261 \\ 6181 \end{array}$		$\begin{array}{c} 3045 \\ 6965 \end{array}$	$\frac{3437}{7357}$ $\frac{7357}{1273}$	$\frac{1664}{5577}$	$\frac{4222}{8140}$ $\frac{2056}{2}$	$\begin{array}{c} \overline{2447} \\ 6359 \end{array}$	1084 5006 8924 2839 6750 0657	8 315 9 355 391 1 39 2 78 3 117
12 13 14 15 16	$046 1048 \\ 4952 \\ 8852 \\ 047 2749$	$\begin{array}{c} 1438 \\ 5342 \\ 9242 \end{array}$	$\begin{array}{c} 1829 \\ 5732 \\ 9632 \\ 3528 \end{array}$	2219 6122 0021 3917 7809	2610 6512 0411 4306 8198	$\frac{3000}{6902}$ $\frac{6902}{0801}$	3391 7292 1190 5085 8976	3781 1682 1580	$\begin{array}{r} 4171 \\ 8072 \\ \hline 1970 \\ 5864 \end{array}$	$\frac{4561}{8462} \\ \hline 2359$	4 156 5 196 6 235 7 274 8 313 9 352
17 18 19 20 1121		$\begin{array}{c} 4806 \\ 8689 \end{array}$	$9077 \\ 2956$	1698 5583 9465 3343 7218		$\overline{0241}$	$\begin{array}{c} 2864 \\ \underline{6748} \\ 0629 \\ 4506 \\ 8380 \\ \end{array}$	3253 7136 1017 4894 8767	$ \begin{array}{r} 3641 \\ 7525 \\ \hline 1405 \\ 5281 \\ 9154 \end{array} $	4030 7913 1792 5669 9541	388 1 89 2 78 3 116 4 155 5 194
22 23 24 25 26	9929 050 3798 7663 051 1525 5384	8049 1911	$\overline{0703}$ 4571 8436 2297 6155	1090 4958 8822 2683 6541	1477 5344 9208 3069 6926	1863 5731 9595 3455 7312	2250 6117 9981 3841 7697	$\frac{6504}{0367}$ 4227	$\frac{3024}{6890}$ $\frac{6890}{0753}$ $\frac{4612}{6}$	7277 1139 4998	6 233 7 272 8 310 9 349
27 28 29 30 1131	9239 0523091 6939 0530784	9624 3476 7324	$ \begin{array}{r} \hline 0010 \\ 3861 \\ 7709 \\ 1553 \end{array} $	0395 4246 8093 1937		1166 5016 8862	1551 5400 9247	1936 5785 9631 3474	$ \begin{array}{r} \hline 2321 \\ \hline 6170 \\ \hline 0016 \\ 3858 \\ 7697 \end{array} $	$\begin{array}{c} 2706 \\ 6555 \\ \hline 0400 \\ 4242 \end{array}$	1 39 2 77 3 116 4 154 5 198 6 231 7 270
32 33 34 35 36		$\begin{array}{c} 8848 \\ 2682 \\ \underline{6514} \\ 0341 \end{array}$	$\begin{array}{c} 9232 \\ 3066 \\ \underline{6896} \\ 0724 \end{array}$	$\begin{array}{r} 9615 \\ 3449 \\ \underline{7279} \\ 1106 \end{array}$	$9999 \\ 3832 \\ 7662 \\ \hline 1489$	0382 4215 8045 1871	$ \begin{array}{r} \hline 0766 \\ 4598 \\ 8428 \\ \hline 2254 \end{array} $	$ \begin{array}{r} \hline 1149 \\ 4981 \\ \underline{8811} \\ 2636 \end{array} $	$ \begin{array}{r} 1532 \\ 5365 \\ 9193 \\ \hline 3019 \end{array} $	$ \begin{array}{r} \hline 1916 \\ 5748 \\ 9576 \\ \hline 3401 \end{array} $	6 308 9 347 382
37 38 39 40 1141	7605 056 1423 5237 9049	7987 1804 5619 9429	8369 2186 6000 9810	$8750 \\ 2567 \\ \underline{6381} \\ 0191$	$\begin{array}{c} 9132 \\ 2949 \\ \underline{6762} \\ \overline{0572} \end{array}$	$\begin{array}{r} 9514 \\ 3330 \\ \hline 7143 \\ \hline 0953 \end{array}$	$\frac{7524}{1334}$	$\frac{4093}{7905}$ $\frac{1714}{1}$	0659 4475 8287 2095	$\begin{array}{r} 7223 \\ \hline 1041 \\ 4856 \\ \underline{8668} \\ 2476 \\ \end{array}$	1 38 2 76 3 115 4 153 5 191 6 229 7 267 8 306
42 43 44 45	058 0462 4260 8055	7041 0842 4640 8434	7422 1222 5019 8813	7802 1602 5399 9193	8182 1982 5778 9572	2 8562 2362 6158 9951	$\begin{array}{c} 8942 \\ 2741 \\ \underline{6537} \\ 0330 \end{array}$	$9322 \\ 3121 \\ 6917 \\ \hline 0709$	$\begin{array}{c} .9702 \\ 3501 \\ 7296 \\ \hline 1088 \end{array}$	$0082 \\ 3881 \\ 7676 \\ 1467$	9 344 879 1 38 2 76
46 47 48 49 1150	9419 06ii 3200	6013 9797	6391 0175 3956	$\frac{6770}{0554}$ 4334	$\frac{7148}{0932}$ 4712	$\frac{7527}{1310}$	$\frac{7905}{1688}$ 5468	$\frac{8284}{2066}$ 5845	6223	$\frac{9041}{2822}$ 6601	3 114 4 152 5 190 6 227 7 265 6 303 9 341

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1150 51 52 53 54 55	8293 062 2058	1131 4902 8670	1508 5279 9046 2811	$1885 \\ 5656 \\ 9423$	2262	$\begin{array}{r} 2639 \\ \underline{6409} \\ 0176 \end{array}$	3017 6786 0552 4316 8075	$\begin{array}{c} 3394 \\ \underline{7163} \\ 0929 \\ 4692 \\ 8451 \end{array}$	$\begin{array}{r} 7540 \\ \hline 1305 \\ 5068 \\ 8827 \end{array}$	$\begin{array}{r} 4148 \\ 7916 \\ \hline 1682 \\ 5444 \\ 9203 \end{array}$	376 1 38 2 75 3 113
56 57 58 59 60 1161 62 63	063 3334 7086 064 0834 4580 8322 065 2061 5797	7461 1209 4954 8696 2435 6171	4084 7836 1584 5329 9070 2809 6544	4460 8211 1958 5703 9444 3182 6917	4835 8585 2333 6077 9818 3556 7291	8960 2708 6451 $\overline{0192}$ 3930 7664	5585 9335 3082 6826 0566 4303 8037	$\begin{array}{c} 5960 \\ 9710 \\ 3457 \\ 7200 \\ \hline 0940 \\ 4677 \\ 8410 \\ \end{array}$	0085 3831 7574 1314 5050 8784	$\begin{array}{r} 6711 \\ \hline 0460 \\ 4205 \\ 7948 \\ \hline 1688 \\ 5424 \\ 9157 \end{array}$	4 150 5 188 6 226 7 263 8 301 9 338
64 65 66 67 68 69 70	066 3259, 6986 067 0709 4428 8145 068 1859	7358 1081 4800 8517 2230	4005 7730 1453 5172 8888 2601	4377 8103 1825 5544 9259 2972	5915 9631 3343	$5123 \\ 8847 \\ 2569 \\ 6287 \\ \hline 0002 \\ 3714$	$\begin{array}{c} 2941 \\ \underline{6659} \\ \overline{0374} \\ 4085 \end{array}$	$\begin{array}{c} 5868 \\ 9592 \\ 3313 \\ \underline{7030} \\ 0745 \\ 4456 \end{array}$	$6241 \\ 9964 \\ 3685 \\ 7402 \\ \hline 1116 \\ 4827$	$\begin{array}{c} 6613 \\ \hline 0336 \\ 4057 \\ \hline 7774 \\ \hline 1487 \\ 5198 \\ \end{array}$	1 37 2 75 3 112 4 149 5 187 6 224 7 261 8 298 9 336
1171 72 73 74 75 76	$\begin{array}{c} 9276 \\ 069 2980 \end{array}$	$\begin{array}{c} 7051 \\ 0748 \end{array}$	$\begin{array}{c} \overline{0017} \\ 3721 \\ 7421 \end{array}$	0388 4091 7791 1487	4461	$\frac{4831}{8530}$	7794 1499 5201 8900 2596 6288	$\begin{array}{c} \overline{1869} \\ 5571 \\ 9270 \end{array}$	2240 5941 9639 3335		370 1 37 2 74 3 111 4 148 5 185
77 78 79 80	$0711453\\5138$	$\begin{array}{c} 5506 \\ 9188 \end{array}$	$2190 \\ 5875 \\ 9556$	2559 6243 9924	$9240 \\ 2927 \\ 6611 \\ \hline 0292 \\ 3970$	$\frac{3296}{6979}$	$9978 \\ 3664 \\ 7348 \\ \hline 1028 \\ 4705$	$\begin{array}{c} 4033 \\ 7716 \\ \hline 1396 \end{array}$	4401 8084	$4770 \\ \underline{8452} \\ \underline{2131}$	6 222 7 259 8 296 9 333
82 83 84 85 86	6175 9847 073 3517 7184	$\begin{array}{r} 6542 \\ \hline 0215 \\ 3884 \\ 7550 \end{array}$	$\begin{array}{r} 6910 \\ \hline 0582 \\ 4251 \\ 7916 \end{array}$	$\begin{array}{c} 7277 \\ \hline 0949 \\ 4617 \\ 8283 \end{array}$	$\frac{7644}{1316}$ 4984 8649	$8011 \over 1683 $ $5351 $ 9016	$\begin{array}{r} 8379 \\ \hline 2050 \\ 5717 \\ 9382 \end{array}$	$\begin{array}{r} 8746 \\ \hline 2416 \\ 6084 \\ 9748 \end{array}$	$\begin{array}{c} 9113 \\ \hline 2783 \\ \underline{6450} \\ 0114 \end{array}$	$\begin{array}{c} 9480 \\ \hline 3150 \\ 6817 \\ \hline 0481 \end{array}$	367 1 37 2 73 3 110 4 147 5 184
87 88 89 90	075 1819 5470	4873 8530 2184 5835	5239 8895 2549 6199	5605 9261 2914 6564	$9626 \\ 3279 \\ 6929$	9992 3644 7294	$ \begin{array}{r} 3043 \\ \hline 6702 \\ \hline 0357 \\ 4010 \\ 7659 \\ \hline \end{array} $	$\begin{array}{r} 7068 \\ \hline 0723 \\ 4375 \\ 8024 \end{array}$	4740 8388	5105 8753	6 220 7 257 8 294 9 330
92 93 94 95	9118 076 2763 6404 077 0043 3679	3127 6768 0407 4042	3491 7132 0771 4406	3855 7496 1134 4769	4220 7860 1498 5133	4584 8224 1862 5496	$\begin{array}{c} 2225 \\ 5859 \end{array}$	5312 8952 2589 6222	5676 9316 2952 6585	6040 9680 3316 6949	364 1 36 2 73 3 109 4 146 5 182
96 97 98 99 1200	078 0942 4568	4931 8554	1667 5293 8916	2030 5656 9278	2393 6018 9640	$\frac{2755}{6380}$ $\frac{6380}{0003}$	$\begin{array}{c} 9490 \\ 3118 \\ \underline{6743} \\ 0365 \\ 3983 \end{array}$	$\frac{3480}{7105}$	$\frac{3843}{7467}$ $\frac{1089}{1089}$	$\frac{4206}{7830} \\ \hline 1451$	6 218 7 255 8 291 9 328

37	^	4	0	0	4	E	C	17	0	0	D:o
No.	0	1	2	3	4	5	6	7	8	9	Diff.
1200 01 02 03 04 05	$080 2656 \\ 6265$	$\begin{array}{c} 5792 \\ 9406 \end{array}$	$\begin{array}{c} 6153 \\ 9767 \\ 3378 \\ 6986 \end{array}$	$\begin{array}{c} 6515' \\ \hline 0128 \\ 3739 \\ 7347 \end{array}$	6876	$\frac{7238}{0851}$ $\frac{4461}{8068}$	$\begin{array}{c} 7599 \\ \hline 1212 \\ 4822 \\ 8429 \end{array}$	$\frac{7961}{1573}$ 5183	$\begin{array}{c} 4707 \\ 8322 \\ \hline 1934 \\ 5543 \\ \underline{9150} \\ \overline{2753} \end{array}$	$\frac{8683}{2295}$ 5904 9510	361 1 36 2 72 3 108 4 144 5 181
06 07 08 09 10 1211	$0820669\\4263\\7854\\0831441$	7432 1029 4622 8213 1800	7792 1388 4981 8571 2159	8152 1748 5341 8930 2517	5700 9289 2876	18871 2467 6059 9648 3234	$\begin{array}{c} 9231 \\ 2826 \\ \underline{6418} \\ 0007 \\ 3593 \end{array}$	$\begin{array}{c} 9591 \\ 3185 \\ 6777 \\ \hline 0365 \\ 3951 \\ \end{array}$	$ \begin{array}{r} 3545 \\ 7136 \\ \hline 0724 \\ \hline 4309 \end{array} $	$ \begin{array}{r} 0310 \\ 3904 \\ 7495 \\ \hline 1083 \\ 4668 \\ \end{array} $	6 217 7 258 8 289 9 325 358 1 36 2 72
12 13 14 15 16 17 18	8608 084 2187 5763	6120 9693 3263,	9324 2902 6478 $\overline{0050}$ 3619	$9682 \\ 3260 \\ 6835 \\ \hline 0407 \\ 3976$	$ \begin{array}{r} \overline{0040} \\ 3618 \\ 7192 \\ \overline{0764} \\ 4333 \end{array} $	$ \begin{array}{r} \overline{0398} \\ 3975. \\ 7550 \\ \hline 1121 \\ 4690 \end{array} $	0756 4333 7907 1478 5046	$\begin{array}{r} 1114 \\ 4690 \\ 8264 \\ \hline 1835 \\ 5403 \\ \end{array}$	7892 1471 5048 8621 2192 5760 9324	1829 5405 8979 2549 6116	3 107 4 143 5 179 6 215 7 251 8 286 9 322
19 20 1221 22 23 24	086 0037 35986 7157 087 0712 4265	0393 3954 7512	0750 4310 7868 1423 4975	1106 4666 8224 1778 5330	1462 5022 8579 2133 5685	1818 5378 8935 2489 6040	$\begin{array}{c} 2174 \\ 5734 \\ 9290 \\ 2844 \\ 6395 \end{array}$	2530 6089 9646 31994 6750	$ \begin{array}{r} 9324 \\ 2886 \\ 6445 \\ \hline 0001 \\ 3554 \\ \hline 7104 \\ \hline 0652 \\ \end{array} $	3242 6801 $\overline{0357}$ 3909 7459	355 1 36 2 71 3 107
25 26 27 28 29 30	088 1361 4905 8446 089 1984 5519	1715. 5259 8800 2337	2070 5613 9153 2691 6226	2424) 59672 9507 3045 6579	2779 6321 9861 3398 6932	$ \begin{array}{r} 3133 \\ \hline 6676 \\ \hline 0215 \\ 3752 \end{array} $	3488 $\frac{7030}{0569}$ 4105 7639	3842 $\frac{7384}{0923}$ 4459 7992	$\begin{array}{c} 4196 \\ \hline 7738 \\ \hline 1276 \\ 4812 \\ 8345 \\ \end{array}$	$\frac{4550}{8092} \\ \frac{8092}{1630}$	4 142 5 178 6 213 7 249 8 284 9 320
1231 32 33 34 35	091 3152 6670 092 0185	6460 9983 3504 7021 0536	$\frac{6812}{0335}$ $\frac{3855}{7373}$ $\frac{3857}{0887}$	$\begin{array}{c} 7164 \\ \hline 0687 \\ 4207 \\ 7724 \\ 1239 \end{array}$	$ \begin{array}{r} 7517 \\ 1039 \\ 4559 \\ 8076 \\ 1590 \end{array} $	$\frac{7869}{1392}$ 4911 8427 1941	$\begin{array}{c} 8222 \\ 1744 \\ 5263 \\ 8779 \\ 2292 \end{array}$	$\begin{array}{r} 8574 \\ \hline 2096 \\ 5614 \\ 9130 \\ 2644 \end{array}$	5966 9482 2995	$\frac{9279}{2800}$ 6318 9833 3346	352, 1 35 2 70 3 106 4 141 5 176 6 211
$ \begin{array}{r} 37 \\ 38 \\ 39 \\ 40 \\ 1241 \\ 42 \end{array} $	7206 093 0713 4217 7718 094 1216	7557 1064 4567 8068 1566	7908 1414 4917 8418 1915.	8259. 1764 52674 87681 2265	8609 2115 5618 9117 2614	5968 9467 2964	9311 2816 6318 9817 3313	9661 3166 6668 $\overline{0167}$ 3663	$0012 \\ 3516 \\ 7018$	$ \begin{array}{r} 0363 \\ 3867 \\ 7368 \\ \hline 0866 \\ \end{array} $	7 246 8 282 9 317
43 44 45 46 47 48	8204 095,1694 5180	8553 2042 5529 9013	8902 2391 5877 9361	9251, 2740, 6226 (9709,	$9600 \\ 3089 \\ 6574 \\ \hline{0057}$	$\begin{array}{c} 6458 \\ 9949 \\ 3437 \\ \hline 6923 \\ \hline 0406 \end{array}$	$\frac{6807}{0298}$, 3786 .	$\begin{array}{c} 7156 \\ \hline 0647 \\ 4135 \\ \hline 7620 \\ \hline 1102 \\ \end{array}$	$\frac{7506}{0996}$	$ \begin{array}{r} 7855 \\ \hline 1345 \\ 4832 \\ \hline 8316 \\ \hline 1798 \\ \end{array} $	1 35 2 70 3 105 4 140 5 175 6 209 7 244
49 1250	5624	5972	63207	6667	7015	$\begin{array}{c} 7363 \\ \hline 0837 \end{array}$	7710/	8058	8405	8753	8 279 9 314

No.	0	1 2	3	4	5	6	7	8	9	Diff.
1250 51 52 53 54 55	$\begin{array}{r} 097\ 2573 \\ 6043 \\ 9511 \\ 098\ 2975 \end{array}$	$\begin{array}{c} 9448 & 97 \\ 2920 & 32 \\ 6390 & 67 \\ 9857 & 02 \\ 3322 & 36 \\ 6783 & 71 \end{array}$	$\begin{array}{c} 67.\ 3614 \\ 37.\ 7084 \\ \hline 04.\ 0550 \\ 68.\ 4014 \end{array}$	$ \begin{array}{r} 3962 \\ 7431 \\ \hline 0897 \\ 4360 \end{array} $	$\begin{array}{c} 4309 \\ 7777 \\ 1243 \\ 4707 \end{array}$	$\frac{4656}{8124}$ $\frac{1590}{1}$	$5003 \\ \underline{8471} \\ 1936 \\ 5399$	$\begin{array}{c} 1879 \\ 5349 \\ 8817 \\ \hline 2283 \\ 5745 \\ 9205 \end{array}$	$ \begin{array}{r} 5696 \\ \hline 9164 \\ \hline 2629 \\ \hline 6091 \end{array} $	346 1 35 2 69 3 104 4 138
56 57 58 59 60 1261 62	098 3353 6806 10 0257 3705	7152574 0602109 4050/43 7495/78	44 4389 97 7842 47 1292 95 4739 40 8184	4735 8187 1637 5084 8528	5080 48532 1982 5429 8873	5425 8877 2327 5773 9217	5771 9222 2671 6118 9561	6116 9567 3016 6462 9905	$\frac{6806}{0249}$	5 173 6 208 7 242 8 277 9 311
63 64 65 66 67	5 7471 102 0905 4337	4377 47 7814 81	21 5065 58 8501 92 1935 23 5366	\5409 8845 2278 5709	5752 9188 2621 6052	$6096 \\ 9532 \\ 2965$	6440 9875 3308 6738	6784 0219 3651 7081	$\begin{array}{r} 7127 \\ \hline 0562 \\ 3994 \\ \hline 7423 \\ \end{array}$	343 1 34 2 69 3 103 4 137
$\begin{array}{c c} 68 \\ 69 \\ 70 \\ 1271 \\ 72 \end{array}$	4616 8037 104 1456	1535 18 4958-53 \$379 87 1797/21 5213.55	$01 \begin{array}{c} 5643 \\ 21 \begin{array}{c} 9063 \\ 39 \begin{array}{c} 2480 \end{array}$	5985 49405 2822	3164		$\frac{7011}{0430}$	$\frac{7353}{0772}$	$\frac{7695}{1114}$ 4530	5 172 6 206 7 240 8 274 9 309
73 74 75 76 77	8284 105 1694 5102 8507	8625 89 2035 23 5442 57 8847 91 2249 25	$66\overset{1}{.}9307$ $76\overset{2}{.}2717$ $83\overset{1}{.}6124$ 87 9528	9648 3058 6464 9868	9989 3398 6805	$ \begin{array}{r} 0331 \\ 3739 \\ 7145 \\ \hline 0548 \end{array} $	0671 4080 7486 0889	1012 4421 7826	1353 4764 8166 1569	340 1 34
78 79 80 1281	5309 3705 107,2100 5491	$\begin{array}{c} 5648 & 59 \\ 9045 & 93 \\ 2439 & 27 \\ 5830 & 61 \end{array}$	88 6328 85 9724 78 3117 69 6508	$\frac{6668}{0063}$ 3457 6847	7007 0403 3796 7186	$\frac{7347}{0742}$ 4135 7525	$\frac{7687}{1082}$ 4474 7864	$\begin{array}{c} 8026 \\ \hline 1421 \\ 4813 \\ 8203 \end{array}$	$\begin{array}{r} 8366 \\ 1760 \\ 5152 \\ 8541 \end{array}$	2 68 3 102 4 136 5 170 6 204 7 238
82 83 84 85 86	108 2267 45650 7 2031	$egin{array}{c} 9219 & 95 \\ 2605 & 29 \\ 5988 & 63 \\ 9369 & 97 \\ 2747 & 30 \\ \end{array}$	$\begin{array}{ccc} 44 & 3282 \\ 27 & \underline{6665} \\ 07 & 0045 \end{array}$	$\frac{3620}{7003} \\ \hline 0383$	$\frac{3959}{7341}$	$\begin{array}{c} 0912 \\ 4297 \\ 7679 \\ \hline 1059 \\ 4435 \end{array}$	$\begin{array}{c} 4635 \\ 8017 \end{array}$	$\frac{8355}{1734}$	$ \begin{array}{r} 1928 \\ 5312 \\ 8693 \\ \hline 2072 \\ 5448 \end{array} $	8 272 9 308
87 88 89 90 1291	9159 110 2529 5897	6123-64 9496498 2866-32 6234/65 9599 99	33 0170 03 3540 70 6907	0507 3877 7244		$ \begin{array}{r} 7810 \\ \hline 1181 \\ 4550 \\ 7917 \\ \hline 1280 \end{array} $	$ \begin{array}{r} 8147 \\ \hline 1518 \\ 4887 \\ 8253 \\ \hline 1617 \end{array} $	$\tfrac{8484}{1855}$	$\begin{array}{r} 8821 \\ \hline 2192 \\ 5560 \\ 8926 \end{array}$	1 34 2 67 3 101 4 135 5 169 6 202 7 236
92 93 94 95	$\begin{array}{c c} 111 \ 2625 \\ \hline $	$\begin{array}{c} 2961 \cdot 32 \\ 6321 \cdot 66 \\ 9678 \cdot 00 \\ 3033 \cdot 33 \end{array}$	$\begin{array}{c} 97 & 3633 \\ 57 & 6993 \\ \hline 14 & 0350 \\ 68 & 3704 \end{array}$	$ \begin{array}{r} 3969 \\ 7329 \\ \hline 0685 \\ 4039 \end{array} $	$\begin{array}{r} 4306 \\ 7664 \\ \hline 1021 \\ 4374 \end{array}$	$\frac{4642}{8000}$ $\overline{1350}$ 4709	$4977 \\ 8336 \\ \hline 1691 \\ 5045$	$5313 \\ 8671 \\ \hline 2027 \\ 5380$	$\begin{array}{c} \overline{2362} \\ 5715 \end{array}$	8 270 9 303 335 1 34 2 67 3 101
96 97 98 99 1300	113 2747 15092	$\begin{array}{c c} 6385 & 67 \\ 9735 & 00 \\ 3081 & 34 \\ 6426 & 67 \\ 9768 & 01 \\ \end{array}$	$69 \overline{0404} $ $16 \overline{3751} $ $60 \overline{7094} $	0739 4085 7429	4420 7763	$\begin{array}{r} 8060 \\ 1408 \\ 4754 \\ 8097 \\ -1437 \end{array}$	1743 5088 8431	$2078 \\ 5423 \\ 8765$	$\begin{array}{c} 5757 \\ 9099 \end{array}$	4 134 5 168 6 201 7 235 8 268 9 302

No.	0	1	2	3	4	5	6	7	8	9	Diff
1300	113 9434	9768	$\overline{0102}$	$\overline{0436}$	$\overline{0770}$	1104	$\overline{1437}$	1771	$\overline{\bf 2105}$	$\overline{2439}$	
01	114 2773	3107	3441	3774	4108	4442	4119	2103	0440	0110	
02	6110	6443	6777	7110	7444			8444			
03		9777				1110					
04	1152776							5107			
05	6105	6438	6771	7103	7436			8434			,
06		9764						1759			33
07	116 2756							5081			1 3
08	6077					7737	8069	8401	8733	9065	2
09		9728						1718			3 1 4 1
10	1172713	3044	3376	3707	4039	4370	4702	5033	5364	5696	5 1
1311	6027	6358	6689	7021	7352			8345			6 1
12		9669				0993	$\overline{1324}$	1655	1986	$\overline{2316}$	7 2
13	118 2647	2978	3309	3639	3970	4301	4631	4962	5293	5623	8 2
14	5954	6284	6615	6945	7276	7606	7936	8267	8597	8927	9 2
15	9258	9588	9918	0248	$\overline{0578}$	0909	$\overline{1239}$	$\overline{1569}$	1899	$\overline{2229}$	
16	119 2559	2889	3219	3549	3879	4209	4539	4868	5198	5528	
17		6187						8165			32
18		9484								2119	1
19	120 2448									5410	2
20		6068				7384	7713	8042	8371	8699	3
321	0028	9357	0686	0014	02/2	0679	1000	1220	1657	1986	4 1
22	$121\ 2315$									5270	5 1 6 1
23		5927								8552	7 9
		9208								1831	8 2
25	1222159									5108	9 2
- 1										1	
26		5763				7073	0670	1000	1207	1654	
27	123 1981	9036								4923	
$\begin{array}{c} 28 \\ 29 \end{array}$		5577						7537			
30		8843						$\frac{7337}{0802}$			32
										1	1
1331	124 1781										2
32		5368								7976	3 4 1
33		8627								1233	5 1
34	1 25 1558	5138								4487	6
3,5										110	7 5
36		8390								€ 989	8 2
37	126 1314									4237	9 5
38		4886								7481	
39	7806									0724	
40	127 1048						2992			3964	
1341		4612								1 202	
42	7525	7849	8172	8496	8819	9143				0437	
43	128 0760	1083	1407	1730	2053					3670	32
44		4316								6900	1
45	7223	7546	7869	8191	8514	8837	9160	9483	9805	0128	3
46	129 0451	0773	1096	1418	1741		2386	2709	3031	3354	4 1
47	3676	3998	4321	: 4643	4965					6577	5 1
48	/6899	. 7221	7543	7865	8187					9798	6 1 7 2
49	130,0119									3016	8 2
1350	₹ 3338	3659	3981	4303	4624					6232	9 2

No.	, 0	1	2	3	4	5	6	7	8	9	Diff.
1350 51 52 53 54 55	131 2978 6187	$\begin{array}{c} 6875 \\ \hline 0088 \end{array}$	$\begin{array}{c} 7196 \\ \hline 0409 \\ 3620 \\ 6828 t \end{array}$	$\frac{7518}{0730}$ 3941 7149	$\frac{7839}{1052}$ $\frac{4262}{7469}$	$\tfrac{8161}{1373}$	$\frac{8482}{1694}$ 4903 8111	$\begin{array}{r} 8803 \\ \hline 2015 \\ 5224 \\ 8431 \end{array}$	$\begin{array}{r} 5911 \\ 9124 \\ \hline 2336 \\ 5545 \\ 8752 \\ \hline 1956 \end{array}$	$\tfrac{9446}{2657}$	320
56 57 58 59 60 1361 62 63 64 65	8998 133 2195 5389 8581 134 1771 4959	6119 9317 2514 5708 8900 2090 5277 8462	6439 9637 2834 6028 9219 2409 5596 8780	6758 9957 3153 6347 9538 2728 5914 9099	7078 0277 3473 6666 9857 3046 6233 9417	3365 6551 9735	$\begin{array}{c} 7718 \\ \hline 0916 \\ 4112 \\ 7305 \\ \hline 0495 \\ 3684 \\ 6870 \\ \hline 0054 \\ \end{array}$	$\begin{array}{r} 8038 \\ \hline 1236 \\ 4431 \\ 7624 \\ \hline 0814 \\ 4003 \\ \hline 7188 \\ \hline 0372 \\ \end{array}$	$\begin{array}{r} 5158 \\ 8358 \\ \hline 1555 \\ 4750 \\ 7943 \\ \hline 1133 \\ 4321 \\ 7507 \\ \hline 0690 \\ 3871 \\ \end{array}$	$\begin{array}{r} 8678 \\ \hline 1875 \\ 5070 \\ 8262 \\ \hline \hline 1452 \\ 4640 \\ \hline 7825 \\ \hline 1008 \\ \end{array}$	1 32 2 64 3 96 4 128 5 160 6 192 7 224 8 256 9 288
66 67 68 69 70	4507 7685 136 0861 4034	$4825 \\ 8003 \\ 1178$	5143 8320 1496 4669	5461 8638 1813 4986	5779	6096 9273 2448 5620	$6414 \\ 9591 \\ 2765$	6732 9908 3083 6255	$ \begin{array}{r} 7050 \\ \hline 0226 \\ 3400 \\ 6572 \\ 9741 \end{array} $	$\frac{7367}{0543}$ 3717	317 1 32 2 63 3 95
1371 72 73 74 75	6705	$\frac{3858}{7022}$ $\frac{7022}{0183}$	$\frac{4174}{7338} \\ \hline 0499$	$\frac{4491}{7654} \\ \frac{7654}{0815}$	$1641 \\ 4807 \\ 7970 \\ \hline 1131 \\ 4290$	$ \begin{array}{r} 5124 \\ 8287 \\ \hline 1447 \end{array} $	$\frac{5440}{8603} \\ \frac{8603}{1763}$	$\frac{8919}{2079}$	$6073 \\ 9235$	$\tfrac{9551}{2711}$	4 127 5 159 6 190 7 222 8 254 9 285
76 77 78 79 80	9339 139 2492 5643 8791	5958 9106	$\begin{array}{c} 9970 \\ 3122 \\ 6272 \\ 9420 \end{array}$	3438 6587 9735	$\begin{array}{r} 7447 \\ \hline 0601 \\ 3753 \\ \underline{6902} \\ \hline 0050 \\ \end{array}$	4068 7217	1251 4883	1547 4698 7847	$\begin{array}{r} 8709 \\ \hline 1862 \\ 5013 \\ \underline{8161} \\ \hline 1308 \\ \end{array}$	$\frac{\overline{2177}}{5328}$	314
1381 82 83 84 85	141 1361 4498	5395 8536 1675 4811	5709 8850 1988 5125	6023 9164 2302 5438	6337 9478 2616	6651 9792 2930 6065	$\begin{array}{r} 6966 \\ \hline 0106 \\ 3243 \\ 6379 \end{array}$	$ \begin{array}{r} 0419 \\ 3557 \\ 6692 \end{array} $	$\begin{array}{r} 7594 \\ \hline 0733 \\ 3871 \\ 7006 \end{array}$	7319	1 31 2 63 3 94 4 126 5 157 6 188
86 87 88 89 90	$\frac{1420765}{3895}$	4208 7335	$\begin{array}{c} 1391 \\ 4520 \\ 7648 \end{array}$	$\begin{array}{c} 1704 \\ 4833 \end{array}$	5146	2330 5459 8586	2643 5772 8898	2956 6084 9211	0138 3269 6397 9523 2647	3582 6710 9836	7 220 8 251 9 283
1391 92 93 94 95 96 97 98 99 1400	9511 144 2628 5742 8854 145 1964 5072	6704 9823 2939 6053 9165 2275 5382 8488	7016 0135 3251 6365 9476 2586 75693 8798	0446 3562 6676 9787 2897 6004 9108	0758 3874 6987 0098 3207 6314 9419	$\begin{array}{r} 7952 \\ \hline 1070 \\ 4185 \\ 7298 \\ \hline 0409 \\ 3518 \\ 6625 \\ 9729 \\ \end{array}$	$\begin{array}{r} 8264 \\ \hline 1381 \\ 4497 \\ 7610 \\ \hline 0720 \\ 3829 \\ \underline{6935} \\ 0039 \\ \end{array}$	$\begin{array}{r} 8576 \\ \hline 1693 \\ 4808 \\ 7921 \\ \hline 1031 \\ 4140 \\ \hline 7246 \\ \hline 0350 \\ \end{array}$	$\begin{array}{c} 5119 \\ 8232 \end{array}$	$\begin{array}{c} 9199 \\ \hline 2316 \\ 5431 \\ 8543 \\ \hline 1653 \\ 4761 \\ \hline 7867 \\ \hline 0970 \\ \end{array}$	311 1 31 2 62 3 93 4 124 5 156 6 187 7 218 8 249 9 280

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1400 01 02 03 04 05	7480 147 0577	7790 0886 3980	5001 8100 1196 4290	5311 8409 1505 4599	5621 8719 1815 4908	5931 9029 2124 5217	$\begin{array}{c} 6241 \\ 9338 \\ 2434 \\ 5527 \end{array}$	6551 9648 2743 5836	6861 9958 3052 6145	$\frac{7170}{0267}$ 3362	,
06 07 08 09 10 1411 12 13	148,2941 6027 9110 149,2191 5270 8347 156,1422 4494	6335 9418 2499 5578 8655 1729 4801	3558 6643 9726 2807 5886 8962 2036 5108	3867 6952 0035 3115 6193 9270 2344 5415	$\begin{array}{c} 4175 \\ 7260 \\ \hline 0343 \\ 3423 \\ 6501 \\ 9577 \\ 2651 \\ 5722 \\ \end{array}$	$\begin{array}{c} 4484 \\ \hline 7569 \\ \hline 0651 \\ 3731 \\ 6809 \\ 9885 \\ 2958 \\ 6030 \\ \end{array}$	$\begin{array}{c} 4793 \\ 7877 \\ \hline 095 \\ 403 \\ \hline 7116 \\ \hline 0192 \\ 3265 \\ 6337 \\ \end{array}$	5101 8185 1267 434 7424 0499 3573 6644	$\begin{array}{r} 8493 \\ \hline 1575 \\ 4655 \\ \hline 7732 \\ \hline 0807 \\ 3880 \\ 6951 \end{array}$	$\begin{array}{c} 5718 \\ 8802 \\ \hline 1883 \\ 4962 \\ \hline 8039 \\ \hline 1114 \\ 4187 \\ 7257 \\ \end{array}$	308 1 31 2 62 3 92 4 123 5 154 6 185 7 216 8 246 9 277
15 16 17 18 19 20	151 0633 3699 6762	$\frac{4005}{7069} \\ \hline 0130$	$1246, \\4311, \\7375, \\0436$	$1553 \\ 4618 \\ 7681 \\ \hline 0742$	$\begin{array}{c} 1859 \\ 4924 \\ 7987 \\ \hline 1048 \end{array}$	$\begin{array}{c} 2166 \\ 5231 \\ 8293 \\ \hline 1354 \end{array}$	$\begin{array}{c} 2472 \\ 5537 \\ \underline{8600} \\ 1660 \end{array}$	$\begin{array}{r} 2779 \\ 5843 \\ \underline{8906} \\ 1966 \end{array}$	$\begin{array}{c} 6150 \\ \underline{9212} \\ \underline{2272} \end{array}$	0326 3392 6456 9518 2578 5635	306 1 31 2 61 3 92 4 122 5 153
1421 22 23 24 25	8996 153 2049 5100 8149	5405 8453	9607 2659 5710 8758	9912 2964 6015 9063	0217 3270 6320 9368	3575 6625 9672	6929 9977	$\begin{array}{c} 4185 \\ \underline{7234} \\ 0281 \end{array}$	$\begin{array}{r} 1439 \\ 4490 \\ 7539 \\ \hline 0586 \end{array}$	0891	6 184 7 214 8 245 9 275
26 27 28 29 30	$\begin{array}{r} 7282 \\ 1550322 \\ 3360 \end{array}$	4544 7586 0626 3664	4848 7890 0930 3968	5153 8194 1234 4271	5457 8498 1538 4575	8802/ 1842/ 4879	6065 9106 2145 5182	9410 2449 5486	3631 6674 9714 2753 5789	$\frac{6978}{0018}$ 3057 6093	304 1 30 2 61 3 91 4 122 5 152
1431 32 33 34 35	9430 156 2462 5492 8519	9733 2765 5794 8822	0037 3068 6097 9124		0643 3674 6703 9729		$ \begin{array}{r} \hline 1249 \\ 4280 \\ \hline 7308 \\ \hline 0334 \\ \end{array} $	$\begin{array}{r} 1553 \\ 4583 \\ 7611 \\ \hline 0637 \end{array}$	$\frac{7914}{0939}$	5189 8216	6 182 7 213 8 243 9 274 302 1 30
36 37 38 39 40	7589 158 0608 3625	4870 7891 0910 3927	5172 8193 1212 4228	8495 1513		3056 6079 9099 2117, 5133	6381 9401 2418	6683 9702 2720	$\frac{6985}{0004} \\ 3022$	$\begin{array}{c} \overline{0306} \\ 3323 \end{array}$	2 60 3 91 4 121 5 151 6 181
1441 42 43 44 45	159 2663 5672 8678	9954 2964 5973 8979	0255 3265 6273 9280	3566 6574 9580	0857 3867 6875 9881	$\frac{8146}{1158}$ 4168 $\frac{7175}{0181}$	1459 4469 7476	1760 4770 7777	2061 5070 8077	$\begin{array}{r} 9351 \\ \hline 2362 \\ 5371 \\ \hline 8378 \\ \hline 1383 \\ \end{array}$	7 211 8 242 9 272 300 1 30 2 60
46 47 48 49 1450	7686 161,0684	4985°	5286 8285 1283	55869 85859 1583	5886 8885 1883	3184 6186 9185 2182 5177	6486 94858 2482	6786 9785 2781	$\frac{7086}{0084}$	0384 3380	2 60° 3 90 4 120 5 150 6 180 7 210 8 240 9 270

No.	0	. 1	2	3	4	5	6	7	8	9	Diff.
1450 51. 52		6973 9965	$\frac{7273}{0264}$	$\frac{7572}{0563}$	$\tfrac{7871}{0862}$	$\frac{8170}{1161}$	$\tfrac{8470}{1460}$	$\frac{8769}{1759}$	$\frac{9068}{2058}$	$\tfrac{9367}{2357}$	
53 54 55	8630	5943 8928	$6241 \\ 9227$	$\begin{array}{c} 6540 \\ 9525 \end{array}$	9824	$\tfrac{7137}{0122}$		$\frac{7734}{0719}$	$\frac{8033}{1017}$	$\overline{1315}$	298 1 30 2 60
56 57 58 59 60	$\begin{array}{c} 7575 \\ 1640553 \end{array}$	4894 7873	$5192 \\ 8171 \\ 1148$	$\begin{array}{c} 5490 \\ 8469 \end{array}$	5788 8767	2041		$6682 \\ 9660 \\ 2636$	$\begin{array}{c} 9958 \\ 2934 \end{array}$	3231	3 89 4 119 5 149 6 179 7 209 8 238
1461 62 63 64 65	$9474 \\ 165 2443 \\ 5411$	6799 9771 2740 5707 8673	$0068 \\ 3037 \\ 6004$	$\begin{array}{c} \overline{0365} \\ 3334 \end{array}$	$\frac{3631}{6597}$	$\frac{3927}{6894}$	$\overline{1256}$	1553 4521 7487	4817	$\overline{2146}$	9 268 296 1 30 2 59
66 67 68 69 70	$\begin{array}{c} 7261 \\ 1670218 \end{array}$	$\begin{array}{c} 4597 \\ 7556 \end{array}$	7852 0809	$5189 \\ 8148 \\ 1105$	8444	5781 8740	\$117 6077 9035 1991 4946	$6373 \\ 9331 \\ 2287$	6669 9627 2582	2878	3 89 4 118 5 148 6 178 7 207 8 237
1471 72 73 74 75	$9078 \\ 1682027 \\ 4975$	$\begin{array}{c} 2322 \\ 5269 \end{array}$	9668 2617 5564	$\begin{array}{c} 9963 \\ 3912 \end{array}$	$\begin{array}{r} 7308 \\ \hline 0258 \\ 3207 \\ 6153 \\ 9098 \end{array}$	$\frac{3501}{6448}$	$\frac{7898}{0848}$ $\frac{3796}{6742}$ $\frac{6742}{9686}$	$\begin{array}{c} 4091 \\ 7037 \end{array}$	$\frac{\overline{1438}}{4386}$	$\frac{\overline{1733}}{4680}$	9 266 294 1 29 2 59
76 77 78 79 80	6744	4099 7038 9975	$4393 \\ 7332 \\ \hline 0269$	$\begin{array}{r} 1746 \\ 4687 \\ \underline{7626} \\ 0563 \\ 3497 \end{array}$	$\frac{4981}{7920} \\ \hline 0856$	$\begin{array}{r} 2335 \\ 5275 \\ \underline{8213} \\ 1150 \\ 4084 \end{array}$	$\frac{5569}{8507} \\ \hline 1443$		9094	$\frac{6450}{9388} \\ \hline 2324$	3 88 4 118 5 147 6 176 7 206 8 235
1481 82 83 84 85	8482 171 412 339	5844 8775 1704 4632 7557	$9068 \\ 1997 \\ 4924$	$\begin{array}{c} 9361 \\ 2290 \\ 5217 \end{array}$	$9654 \\ 2583 \\ 5509$	7017 9947 2876 5802 8727	$0240 \\ 3168 \\ 6095$		$\begin{array}{c} 3754 \\ 6680 \end{array}$	$\begin{array}{c} 4046 \\ 6972 \end{array}$	9 265 292 1 29
86 87 88 89 90	172 0188 3110	$\begin{array}{c} 0480 \\ 3402 \\ 6321 \\ 9239 \end{array}$	0773 3694 6613 9530	1065 3986 6905 9822	$\begin{array}{c} 1357 \\ 4278 \\ \underline{7197} \\ 0113 \end{array}$	$\begin{array}{r} 4570 \\ 7488 \\ \hline 0405 \end{array}$	7780	$\begin{array}{c} 5154 \\ \underline{8072} \\ \overline{0988} \end{array}$	$\begin{array}{c} 2526 \\ 5446 \\ \underline{8364} \\ 1280 \\ 4194 \end{array}$	$5737 \\ 8655 \\ \hline 1571$	2 58 3 88 4 117 5 146 6 175 7 204
1491 92 93 94 95		7979 0889 3797	8270 1180- 4087	8561 1471 4378	$8852 \\ 1761 \\ 4669$	$9143 \\ 2052$	6524 9434 2343 5250 8155	$9725 \\ 2634 \\ 5540$	$\begin{array}{c} 7106 \\ \hline 0016 \\ 2925 \\ 5831 \\ 8735 \end{array}$		8 234 9 263 290 1 29
96 97 98 99 1500	$\begin{array}{r} 9316 \\ 1752218 \\ 5118 \end{array}$	9606 2508 5408 8306	9897 2798 5698 8596	0187 3088 5988 8885	0477 3378 6278 9175	0767 3668 6567 9465	1057 3958 6857 9754	$\begin{array}{c} \overline{1348} \\ 4248 \\ 7147 \\ \overline{0044} \end{array}$	$\begin{array}{r} \overline{1638} \\ 4538 \\ 7437 \\ \overline{0333} \end{array}$	$\begin{array}{c} \overline{1928} \\ 4828 \\ 7727 \\ \overline{0623} \end{array}$	2 58 3 67 4 116 5 145 6 174 7 203 8 232 9 261

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1500 01 02 03 04	6699.	$4096 \\ 6988 \\ 9879$	$\frac{4386}{7278}$ $\frac{7278}{0168}$	$\frac{4675}{7567}$ $\frac{7567}{0457}$	$\begin{array}{r} 4964 \\ 7856 \\ \hline 0745 \end{array}$	$ \begin{array}{r} 525 \\ 814 \\ \hline 103 \end{array} $	$\begin{array}{c} 0 & 2649 \\ 3 & 5543 \\ 5 & 8434 \\ \hline 4 & 1323 \\ 2 & 4211 \end{array}$	$ \begin{array}{r} 5832 \\ \hline 8723 \\ \hline 1612 \end{array} $	$\frac{6121}{9012}$ $\frac{9012}{1901}$	$\frac{6410}{9301}$	288
05 06 07 08 09 10	178 1133 4013	8538 1421 4301 7180	8826 1709 4589 7468	1997.4877	9403 2285 5165 8043	$969 \\ 257 \\ 545 \\ 833$	8,7096 1 9980 3 2861 3 5741 1 8619 7 1495	0268 3149 6029 8907	0556 3437 6317 9194	0844 3725 6605 9482	1 29 2 58 3 86 4 115 5 144 6 173 7 202
1511 12 13 14 15	8389 180 1259	$5805 \\ 8676 \\ 1546$	$6092 \\ 8963 \\ 1832$	6380 9250 2119	9537 2406	$695 \\ 982 \\ 269$	$egin{array}{cccc} 2 & 4369 \\ 4 & 7241 \\ 4 & \overline{0111} \\ 3 & 2980 \\ 9 & 5846 \\ \end{array}$	$\frac{7528}{0398}$ 3266	$\frac{7815}{0685}$ 3553	$\frac{8102}{0972}$ 3840	8 230 9 259 286 1 29
16 17 18 19 20	9856 181 2718 5578 8436	$3004 \\ 5864 \\ 8722$	0428 3290 6150 3007	0715 3576 6435 9293	$ \begin{array}{r} 1001 \\ 3862 \\ 6721 \\ 9579 \end{array} $	128 414 700 986	$ \begin{array}{r} 7293 \\ 40150 \end{array} $	$ \begin{array}{r} 1859 \\ 4720 \\ \hline 7579 \\ \hline 0435 \end{array} $	$ \begin{array}{r} \hline 2145 \\ 5006 \\ \hline 7864 \\ \hline 0721 \end{array} $	$5292 \\ 8150 \\ 1007$	2 57 3 86 4 114 5 143 6 172 7 200 8 229
1521 22 23 24 25	6999 9850 183 2698	$\begin{array}{c} 4432 \\ 7284 \\ \hline 0135 \\ 2983 \end{array}$	$4717 \\ 7569 \\ \hline 0420 \\ 3268$	5002 7854 0704 3553	$\begin{array}{c} 5288 \\ \underline{8140} \\ 0989 \\ 3837 \end{array}$	$\begin{array}{r} 557 \\ \underline{842} \\ 127 \\ 412 \end{array}$	$egin{array}{cccc} 0 & 3005 \\ 3 & 5858 \\ 5 & 8710 \\ \hline 4 & 1559 \\ 2 & 4407 \\ \hline \end{array}$	$6143 \\ 8995 \\ \hline 1844 \\ 4691$	$6429 \\ 9280 \\ \hline 2129 \\ 4976$	$\frac{9565}{2414}$ 5261	9 257 -284 1 28
26 27 28 29 30	$\begin{array}{r} 8390 \\ 1841234 \\ 4075 \\ 6914 \end{array}$	4359 7198	8959 1802 4643 7482	9244 2086 4927 7766	9528 2370 5211 8050	981 265 549 833	$\begin{array}{c} 8 & 7253 \\ 2 & \overline{0096} \\ 4 & 2939 \\ 5 & 5779 \\ 3 & 8617 \\ \hline \end{array}$	0381 3223 6063 8901	3507 6347 9185	3791 6630 9468	2 57 3 85 4 114 5 142 6 170 7 199
1531 32 33 34 35	$185\ 2588\\ 5422\\ 8254\\ 186\ 1084$	2871 5705 8537 1367	3155; 5988 8820; 1650	3438 6271 9103 1932	3721 6555 9386 2215	400 683 966 249	8 7121 9 9952 8 2781	$\begin{array}{r} 4572 \\ 7404 \\ \hline 0235 \\ 3064 \end{array}$	4855 7687 0518 3347	5138 2 70 8 70 1: 71 1: 29	8 227 9 256
36 37 38 39 40	1872386	7021 9846	$\frac{7304}{0128}$, 2951	$\frac{7586}{0410}$	$\frac{7869}{0693}$ 3515	$\frac{815}{097}$	$\begin{array}{c} 6.5608 \\ 1.8434 \\ \overline{5.1257} \\ 7.4079 \\ 7.6899 \end{array}$	$\frac{8716}{1540}$	$\frac{8999}{1822}$ $\frac{4643}{1822}$	9281	282 1 28 2 56 3 85 4 113 5 141
43 44 45	188 0844 3659 56473 9285	3941 6754 9566	1407 4222 7035 9847	$\begin{array}{c} 1689 \\ 4504 \\ 7317 \\ \hline 0128 \end{array}$	$ \begin{array}{r} 1970 \\ 4785 \\ 7598 \\ \hline 0409 \end{array} $	2255 5060 7875	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$	2815 5629 8441	309c. 5910 8723	3378 6192 9004	5 441 6 169 7 197 8 226 9 254
46 47 48 49 1550	189 20954 4903 7710 190 0514 3317	5184 7990 0795	5465 8271 1075	5745 8551 1355	6026 8832 1636	630' 911: 191	$\frac{2}{9393}$	6868 9673 2476	7148. 9953 2757	$\frac{7429}{0234}$ 3037	

No.	. 0	1	2	3	4	5	6	7	8	9	Diff.
1550 51 52 53 54 55	191 1715 4510	6598 9197 1994 4790	$6678 \\ 9477$	6958 9757 2553 5348	$\begin{array}{r} 7238 \\ \hline 0036 \\ 2833 \\ 5628 \end{array}$	$\frac{7518}{0316}$ $\frac{3113}{5907}$	$\begin{array}{r} 4998 \\ \hline 7798 \\ \hline 0596 \\ 3392 \\ 6187 \\ 8979 \\ \end{array}$	$\begin{array}{r} 8078 \\ \hline 0876 \\ 3672 \\ 6466 \end{array}$	$\frac{8357}{1155}$ 3951 6745	$\begin{array}{r} 8637 \\ \hline 1435 \\ 4231 \\ 7025 \end{array}$	279 1 28 2 56
56 57 58 59 60	$5675 \\ 8461 \\ 1931246$	3165 5953 8740 1524	3444 6232 9018 1803	3723 6511 9297 2081	4002 6789 9575 2359	4281 7068 9854 2638	$\begin{array}{c} 4559 \\ 7347 \\ \hline 0132 \\ 2916 \end{array}$	$\begin{array}{r} 4838 \\ 7625 \\ \hline 0411 \\ 3194 \end{array}$	$5117 \\ \frac{7904}{0689} \\ 3473$	5396 8183 $\overline{0968}$ 3751	3 84 4 112 5 140 6 167 7 195 8 223 9 251
1561 62 63 64 65	6810 9590 194 2367 5143	$\begin{array}{c} 2645 \\ 5421 \end{array}$	$\begin{array}{c} 7366 \\ \hline 0145 \\ 2923 \\ 5698 \end{array}$	$\frac{3200}{5976}$	$\begin{array}{c} 7922 \\ \hline 0701 \\ 3478 \\ 6253 \end{array}$	$\frac{8200}{0979}$ 3756 6531		$\frac{8756}{1534}$ 4311 7086	$9034 \over 1812 \\ 4588 \\ 7363$	$\begin{array}{r} 9312 \\ \hline 2090 \\ 4866 \\ 7640 \end{array}$	277 1 28 2 55
66 67 68 69 70	195 0690 3461 6229 8997	0967 3738 6506 9273	$4014 \\ 6783 \\ 9550$	1521 4291 7060 9826	$\begin{array}{c} 1798 \\ 4568 \\ \underline{7336} \\ 0103 \end{array}$	$2075 \\ 4845 \\ 7613 \\ \hline 0379$	$\overline{0656}$	$\begin{array}{c} 2630 \\ 5399 \\ \underline{8167} \\ 0932 \end{array}$	$\begin{array}{c} 2907 \\ 5676 \\ \underline{8443} \\ 1209 \end{array}$	$\tfrac{8720}{1485}$	3 83 4 111 5 139 6 166 7 194 8 222
1571 72 73 74 75	$7287 \\ 1970047 \\ 2806$	4802 7563 0323 3081	5078 7839 0599 3357	8115 0875 3633	5630 8391 1151 3908	5907 8667 1427 4184	4460	6459 9219 1978 4735	9495 2254 5011	$2530 \\ 5287$	9 249 275 1 28
76 77 78 79 80	8317 198 1070 3821 5571	8592 1345 4096 6846	$\begin{array}{c} 4371 \\ 7121 \end{array}$	9143 1896 4646 7395	9418 2171 4921 7670	9694 2446 5196 7945	7215 9969 2721 5471 8220	0244 2996 5746 8495	$3271 \\ 6021 \\ 8769$	0795 3546 6296 9044	2 55 3 83 4 110 5 138 6 165 7 193
1581 82 83 84 85	199 2065 4809 7552 200 0293	2339 5083 7826 0567	5358 8100 0841	2888 5632 8374 1115	3163 5906 8648 1389	3437 6181 8922 1662	6455 9197 1936	$\begin{array}{c} 9471 \\ 2210 \end{array}$	4260 7003 9745 2484	$\begin{array}{c} \overline{0019} \\ 2758 \end{array}$	8 220 9 248
86 87 88 89 90	5769 8505 201 1239	8778	6317 9052 1786	$\begin{array}{c} 6590 \\ 9325 \end{array}$	$\begin{array}{c} 9599 \\ 2332 \end{array}$	7137 9872 2605	$\overline{0146}$	$\begin{array}{c} 7684 \\ \hline 0419 \\ 3152 \end{array}$	$\overline{0692}$	$\overline{0966}$	273 1 27 2 55 3 82 4 109
1591 92 93 94 95	9431 202 2158 4883 7607	9703 2430 5156 7879	$\begin{array}{c} 5428 \\ 8151 \end{array}$	0249 2976 5700 8424	3248 5973 8696	0794 3521 6245 8968	9240	4066 6790 9512	$\begin{array}{c} 7062 \\ 9785 \end{array}$	$\frac{9158}{1885}$ $\frac{4611}{7335}$ $\frac{7335}{0057}$	5 137 6 164 7 191 8 218 9 246
96 97 98 99 1600	5768	3321 6040 8756	$3593 \\ 6311 \\ 9028$	$3865 \\ 6583 \\ 9299$	$4137 \\ 6855 \\ 9571$	$4409 \\ 7126 \\ 9842$	$\begin{array}{c} 4681 \\ 7398 \\ \hline 0114 \end{array}$	$\tfrac{7670}{0385}$	$\frac{5224}{7941} \\ \hline 0657$	$\begin{array}{c} 5496 \\ 8213 \\ \hline 0928 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1600 01 02 03 04 05	2041200 3913 6625 9335 205 2044	1471 4185 6896 9606	1743 4456 7167 9877 2585	2014 4727 7438 0148 2856	$\begin{array}{c} 2285 \\ 4998 \\ 7709 \\ \hline 0419 \end{array}$	$ \begin{array}{r} 2557 \\ 5269 \\ \hline 7980 \\ \hline 0690 \\ 3397 \end{array} $	$\begin{array}{c} 2828 \\ 5541 \\ \underline{8251} \\ \overline{0960} \\ 3668 \end{array}$	3099 5812 8522 $\overline{1231}$ 3939 6644	$\begin{array}{r} 3371 \\ 6083 \\ 8793 \\ \hline 1502 \\ 4209 \end{array}$	$ \begin{array}{r} 3642 \\ 6354 \\ 9064 \\ \hline 1773 \\ 4480 \end{array} $	270
06 07 08 09 10	7455 206 0159 72860 5560 8259 207 0955	7726 0429 3131 5830 8529 1225	7996 0699 3401 6100 8798 1495	8267 0969 3671 6370 9068 1764	8537 1240 3941 6640 9338 2034	8807 1510 4211 6910 9607 2303	9078 1780 4481 7180 9877 2573	9348 2050 4751 7449 0147 2842	$\begin{array}{c} 9618 \\ 2320 \\ 5021 \\ \underline{7719} \\ 3416 \\ 3112 \\ \end{array}$	9889 2590 5291 7989 0686 3381	1 27 2 54 3 81 4 108 5 135 6 162 7 189 8 216
12 13 14 15	$6344 \\ 9035 \\ 2081725$		$6882 \\ 9573 \\ 2263$	7151	$\frac{7421}{0111}$ 2801	$\frac{7690}{0380}$	$\frac{7959}{0649}$ 3338	5536 $ 8228 $ $ 0918 $ $ 3607 $ $ 6294$	$\frac{8497}{1187} \\ 3876$	6074 8766 1456 4145 6832	9 243
17 18 19 20 1621	9785 209 2468 5150	$ \begin{array}{r} 7369 \\ \hline 0054 \\ 2737 \\ 5418 \\ 8098 \end{array} $	0322 3005 5686	$ \begin{array}{r} \hline 0590 \\ 3273 \\ 5954 \end{array} $	$\begin{array}{c} 3541 \\ 6222 \end{array}$	6490	$\frac{8711}{1395}$ 4078 6758 9437	$\begin{array}{c} 4346 \\ 7026 \end{array}$	$\overline{1932}$ 1614 7294	4882	268 1 27 2 54 3 80 4 107 5 134
22 23 24 25 26	27 \ 0508 3185 5860	0776 3453 6128 8801	$1044 \\ 3720 \\ 6395$	1312 3988 6662 9335	$\begin{array}{c} 1579 \\ 4255 \end{array}$	1847 4523 7197 9870	$\begin{array}{c} 2115 \\ 4790 \end{array}$	$\begin{array}{c} 2382 \\ 5058 \\ \underline{7732} \\ 0404 \end{array}$	2650 5325 7999	$\frac{2918}{5593}$	6 161 7 188 8 214 9 241
27 28 29 30	3876 6544 9211 212 1876	4142 6811 9477 2142	4409 7078 9744 2409	$\begin{array}{c} 4676 \\ 7344 \\ \hline 0011 \\ 2675 \end{array}$	$4943 \\ 7611 \\ \hline 0277 \\ 2942$	$\begin{array}{r} 5210 \\ 7878 \\ \hline 0544 \\ 3208 \end{array}$	$\begin{array}{r} 5477 \\ \underline{8144} \\ \overline{0810} \\ 3474 \end{array}$	5744 8411 1077 3741	$6010 \\ 8678 \\ \hline 1343 \\ 4007$	$6277 \\ 8944 \\ \hline 1610 \\ 4273$	266 1 27 2 53
1631 32 33 34 35	$7202 \\ 9862 \\ 213 2521 \\ 5178$	5443	$\begin{array}{r} 7734 \\ \hline 0394 \\ 3052 \\ 5709 \end{array}$	$\begin{array}{r} 8000 \\ \hline 0660 \\ 3318 \\ 5974 \end{array}$	$\begin{array}{c} 8266 \\ \hline 0926 \\ 3584 \\ 6240 \end{array}$	$\frac{8532}{1191}$ 3849 6505		$\begin{array}{c} 9064 \\ \hline 1723 \\ 4381 \\ 7037 \end{array}$		$\begin{array}{r} 9596 \\ \hline 2255 \\ 4912 \\ 7568 \end{array}$	3 80 4 106 5 133 6 160 7 186 8 213
36 37 38 39 40	214 0487 3139 5790	8098 0752 3404 6055 8703	$1017 \\ 3669 \\ 6319$	$\begin{array}{c} 1283 \\ 3934 \\ 6584 \end{array}$	1548 4199 6849		$2078 \\ 4730 \\ 7379$	$\begin{array}{c} 9691 \\ 2343 \\ 4995 \\ \hline 7644 \\ \hline 0292 \end{array}$	$2609 \\ 5260 \\ 7909$	$2874 \\ 5525$	9 239
1641 42 43 44 45		$3996 \\ 6640 \\ 9282$	$4260 \\ 6904 \\ 9546$	4525 7169 9811	$\frac{7433}{0075}$	$\begin{array}{r} 5054 \\ 7697 \\ \hline 0339 \end{array}$	$\tfrac{7961}{0603}$	$\begin{array}{c} 2938 \\ 5583 \\ \underline{8226} \\ 0867 \\ 3507 \end{array}$	$\begin{array}{c} 5847 \\ \underline{8490} \\ 1131 \end{array}$	8754	1 26 2 53 3 79 4 106 5 132 6 158
46 47 48 49 1650	6936 9572 217 2207		$\begin{array}{c} 7463 \\ \hline 0099 \\ 2733 \end{array}$	$\frac{7727}{0363}$ 2997	$\frac{7991}{0626}$ 3260	$\frac{0890}{3523}$	$\frac{8518}{1153}$ 3786	$6145 \\ 8781 \\ \hline 1416 \\ 4050 \\ 6682$	$\frac{9045}{1680}$ 4313	$6672 \\ \underline{9309} \\ 1943 \\ 4576$	7 185 8 211 9 238

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1650 51 52 53 54 55	$218\ 0100 \\ 2729 \\ 5355$	7734	7997 0626 3254 5880	8260 0889 3517 6143	$\begin{array}{c} 8523 \\ 1152 \\ 3779 \\ 6405 \end{array}$	8786 1415 4042 6668	9049 1677 4305 6930	6682 9312 1940 4567 7193 9816	9575 2203 4830 7455	9838 2466 5092 7718	262 1 26 2 52 3 79
56 57 58 59 60	5845	$3487 \\ 6107 \\ 8726$	3749 6369 8987	4011 6631 9249	$4273 \\ 6893 \\ 9511$	$\frac{4535}{7155}$	$\frac{4797}{7417}$ $\frac{7417}{0034}$	$2439 \\ 5059 \\ 7678 \\ \hline 0296 \\ 2912$	$\begin{array}{c} 5321 \\ \underline{7940} \\ 0558 \end{array}$	$\begin{array}{c} 5583 \\ \underline{8202} \\ \overline{0819} \end{array}$	4 105 5 131 6 157 7 183 8 210 9 236
1661 62 63 64 65	$\begin{array}{r} -6310 \\ 8922 \\ 2211533 \end{array}$	3958 6571 9184 1794 4403	$6833 \\ 9445 \\ 2055$	7094 9706 2316	7355 9967 2577	$\frac{7617}{0228}$ 2838	$\frac{7878}{0489}$ 3099	$\begin{array}{c} 5526 \\ \underline{8139} \\ \overline{0750} \\ 3360 \\ 5968 \end{array}$	$\frac{8400}{1011}$ 3621	$\frac{8661}{1272}$ 3882	260
66 67 68 69 70	$9356 \\ 2221960 \\ 4563$	$\begin{array}{c} 1617 \\ 2221 \end{array}$	9877 2481 5084	$0138 \\ 2741 \\ 5344$	$\begin{array}{c} \overline{0398} \\ 3002 \\ 5604 \end{array}$	5864	$\begin{array}{c} \overline{0919} \\ 3522 \\ 6124 \end{array}$	$\frac{\overline{1179}}{3783}$	$\begin{array}{c} \overline{1440} \\ 4043 \\ 6645 \end{array}$	1700 4303 6905	1 26 2 52 3 78 4 104 5 130
1671 72 73 74 75	223 2363 4959	$2622 \\ 5219 \\ 7814$	2882 5479 8073	3142 5738 8333	$3402 \\ 5998 \\ 8592$	$\begin{array}{c} 6257 \\ 8852 \end{array}$	$3921 \\ 6517 \\ 9111$	$4181 \\ 6776 \\ 9370$	4440 7036 9630	4700 7295 9889	6 156 7 182 8 208 9 234
76 77 78 79 80	5331		$5849 \\ 8437 \\ 1024$	$6107 \\ 8696 \\ 1283$	$6366 \\ 8955 \\ 1541$	$6625 \\ 9213 \\ 1800$	$6884 \\ 9472 \\ 2059$	4554 7143 9731 2317 4902	$7402 \\ 9990 \\ 2576$	$\frac{7661}{0248} \\ 2834$	258 1 26
1681 82 83 84 85	$\begin{array}{c} 8260 \\ 226 0841 \end{array}$	3679	8776 1357 3937	$9034 \\ 1615 \\ 4194$	$\begin{array}{c} 9293 \\ 1873 \\ 4452 \end{array}$	$9551 \\ 2131 \\ 4710$	$9809 \\ 2389$	$\begin{array}{r} 7485 \\ \hline 0067 \\ 2647 \\ 5226 \\ 7803 \end{array}$	$\begin{array}{c} \overline{0325} \\ 2905 \end{array}$	$0583 \\ 3163 \\ 5741$	2 52 3 77 4 103 5 129 6 155 7 181
86 87 88 89 90	6296	$1408 \\ 3982 \\ 6554$	1666 4239 6811	1923 4496 7068	$2180 \\ 4753 \\ 7325$	$\frac{2438}{5011}$	2695 5268 7839	$ \begin{array}{r} 0378 \\ 2953 \\ 5525 \\ \hline 8096 \\ \hline 0666 \\ \end{array} $	3210 5782 8353	3467 6039 8610	8 206 9 232
1691 92 93 94 95	6570	4260 6826 9390	4517 7083 9647	4774 7339 9903	$\frac{5030}{7596} \\ \hline{0159}$	$\begin{array}{r} 5287 \\ 7852 \\ \hline 0416 \end{array}$	$\frac{5543}{8108} \\ \hline 0672$	3233 5800 8365 $\overline{0928}$ 3490	$\begin{array}{c} 6057 \\ 8621 \\ \hline 1185 \end{array}$	$6313 \\ 8878 \\ \hline 1441$	256 1 26 2 51 3 77
96 97 98 99 1700	6818 9377 230 1934	7074	7330 9888 †2445	$\frac{7586}{0144}$ 2701	$\begin{array}{c} \overline{0400} \\ 2956 \end{array}$	$\frac{18098}{0656}$	$\tfrac{8354}{0911}$	$\frac{8609}{1167}$	$\frac{8865}{1423}$ 3978	$\frac{9121}{1678}$ 4234	4 102 5 128 6 154 7 179 8 205 9 230

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1700 01 02 03 04	230 4489 7043 9596 231 2146 4696	7298 9851 2401	$\begin{array}{c} 7554 \\ \hline 0106 \\ 2656 \end{array}$	$\tfrac{7809}{0361}$	$\frac{8064}{0616}$ 3166	$\frac{8320}{0871}$ 3421	$\frac{8575}{1126}$ $\frac{3676}{3676}$	$6277 \\ 8830 \\ \hline 1381 \\ 3931 \\ 6480$	$\frac{9085}{1636}$ 4186	$\frac{9340}{1891}$ 4441	
05 06 07 08 09	$7244 \\ 9790 \\ 232 2335 \\ 4879 \\ 7421$	$7499 \\ \hline 0045 \\ 2590 \\ 5133 \\ 7675$	$7753 \\ \hline{0299} \\ 2844 \\ 5387 \\ 7929$	8008 $\overline{0554}$ 3098 5641 8183	$8263 \\ \hline 0808 \\ 3353 \\ 5896 \\ 8437$	8517 1063 3607 6150 8691	$8772 \\ \hline 1317 \\ 3861 \\ 6404 \\ 8945$	$\begin{array}{r} 9026 \\ \hline 1572 \\ 4116 \\ 6658 \\ 9199 \\ \end{array}$	$9281 \\ \hline 1826 \\ 4370 \\ 6912 \\ 9453$	$\begin{array}{r} 9536 \\ \hline 2081 \\ 4624 \\ 7166 \\ 9707 \end{array}$	254 1 25 2 51 3 76 4 102 5 127
10 1711 12 13 14 15	·233 2500 5038 7574 234 0108	2754 5291 7827 0362	3008 5545 8081 0615	$\begin{array}{c} 5799 \\ 8334 \end{array}$	3515 6052 8588 1122	3769 6306 8841 1375	4023 6559 9095 1628	1739 4277 6813 9348 1881 4414	4530 7067 9601 2135	4784 7320 9855	6 159 7 178 8 203 9 229
16 17 18 19 20	$\begin{array}{r} 7703 \\ 2350232 \\ 2759 \end{array}$	$7956 \\ 0484 \\ 3011$	$8209 \\ 0737 \\ 3264$	5932 8462 0990 3517 6042	8715 1243 3769	$8967 \\ 1495 \\ 4022$	$\begin{array}{c} 9220 \\ 1748 \\ 4274 \end{array}$		$9726 \\ 2253 \\ 4779$	$\frac{9979}{2506}$	252 1 28 2 50
$\begin{array}{c} 1721 \\ 22 \\ 23 \\ 24 \\ 25 \end{array}$	236 0331 2853 5373	$0584 \\ 3105 \\ 5625$	0836 3357 5876	8566 1088 3609 6128 8646	$1340 \\ 3861 \\ 6380$	1592 4113 6632	9323 1844 4365 6884 9401	2097	9827 2349 4869 7387 9905	$ \begin{array}{r} \hline{0079} \\ 2601 \\ 5121 \\ \hline 7639 \\ \hline 7156 $	3 70 4 10 5 126 6 15 7 176 8 20
26 27 28 29 30	5437	3175 5689 8201	$3426 \\ 5940 \\ 8452$	$3678 \\ 6191 \\ 8703$	$3929 \\ 6443 \\ 8955$	$4181 \\ 6694 \\ 9206$	$4432 \\ 6945 \\ 9457$	2169 4683 7196 9708 2218	4935 7448 9959	5186 7699	9 · 22
1731 32 33 34 35	5479 7986 239 0491	$8236 \\ 0741$	5980 8487 0992	3723 6231 8737 1242 3746	$6482 \\ 8988 \\ 1493$	6732 9238 1743	$6983 \\ 9489$	4727 7234 9739 2244 4747	7484 9990	$\begin{array}{r} 7735 \\ \hline 0240 \\ 2744 \end{array}$	250 1 29 2 59 3 79 4 100
36 37 38 39 40	7998 240 0498 2996	$8248 \\ 0748 \\ 3246$	8498 0997 3495	3745	8998 1497 3995	$9248 \\ 1747$	9498 1997 4494	7248 9748 2247 4744 7239	9998 2496 4993	0248 2746 5243	4 100 5 123 6 150 7 173 8 200 9 224
1741 42 43 44 45	241 0482 2974 5465	$0731 \\ 3223 \\ 5714$	$0980 \\ 3472 \\ 5963$	8736 1229 3721 6212 8701	1479 3970 6461	1728 4220 6710	1977 4469 6959	9734 2226 4718 7208 9696	$2476 \\ 4967 \\ 7457$	2725 5216 7705	
46 47 48 49 1750	5414	3178 5663 8146	3426 5911 8395	3675 6160 8643	3923 6408 8891	$4172 \\ 6656 \\ 9139$	4420 6905 9388	2183 4669 7153 9636 2117	4917, 7401 9884	$ \begin{array}{r} 5166 \\ 7650 \\ \hline 0132 \end{array} $	

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56 57 58 59 60	$7718 \\ 245 0189 \\ 2658 \\ 5127$	$\begin{array}{c} 2905 \\ 5373 \end{array}$	8212 0683 3152 5620	8459 0930 3399 5867	8706 1177 3646 6114	8953 1424 3893 6360	9200 1671 4140 6607	6976 9448 1918 4386 6854	$\begin{array}{c} 9695 \\ 2165 \\ 4633 \\ 7100 \end{array}$	9942 2411 4880 7347	2 49 3 74 4 99 5 124 6 148 7 173 8 198
1761 62 63 64 65	246 0059 2523 4986 7447	2769 5232 7693	0552 3016 5478 7939	$\begin{array}{c} 0798 \\ 3262 \\ 5724 \\ 8185 \end{array}$	1045 3508 5970 8431	1291 3755 3217 8677	$\begin{array}{c} 1538 \\ 4001 \\ 6463 \\ 8923 \end{array}$	9320 1784 4247 6709 9169	2030 4493 6955 9415	2277 4740 7201 9661	9 222
66 67 68 69 70	$7278 \\ 9733$	2611 5068 7524 9978	$\begin{array}{c} 2857 \\ 5314 \\ \underline{7769} \\ 0223 \end{array}$	$\frac{5559}{8015} \\ \hline 0469$	$ \begin{array}{r} 3349 \\ 5805 \\ \underline{8260} \\ \hline 0714 \end{array} $	$ \begin{array}{r} 3594 \\ 6051 \\ \underline{8506} \\ \hline 0959 \end{array} $	$\begin{array}{c} 3840 \\ 6296 \\ \underline{8751} \\ 1205 \end{array}$	$ \begin{array}{r} 1628 \\ 4086 \\ 6542 \\ 8997 \\ \hline 1450 \end{array} $	$\begin{array}{c} 4331 \\ 6787 \\ \underline{9242} \\ 1695 \end{array}$	$\begin{array}{r} 4577 \\ 7033 \\ \underline{9487} \\ 1940 \end{array}$	245 1 25 2 49 3 74
1771 72 73 74 75	$9536 \\ 2491984$	4882 7332 9781 2228	$5127 \\ 7577 \\ \hline 0026 \\ 2473$	$ \begin{array}{r} 5372 \\ 7822 \\ \hline 0271 \\ 2718 \end{array} $	$\begin{array}{c} 5617 \\ \underline{8067} \\ 0515 \\ 2962 \end{array}$	$\begin{array}{r} 5862 \\ \underline{8312} \\ \overline{0760} \\ 3207 \end{array}$	$\frac{8557}{1005} \\ 3451$	$6352 \\ 8802 \\ \hline 1249 \\ 3696$	$\frac{9047}{1494}$ 3941	$\frac{1739}{4185}$	4 98 5 123 6 147 7 172 8 196 9 221
76 77 78 79 80	$6874 \\ 9318 \\ 2501759$	$4674 \\ 7119 \\ 9562 \\ 2004 \\ 4444$	7363 9806 2248	$\frac{7607}{0050} \\ 2492$	$\begin{array}{c} 0\overline{294} \\ 2736 \end{array}$	$\begin{array}{r} 8096 \\ \hline 0539 \\ 2980 \\ 5420 \end{array}$	$\frac{8340}{0783}$ 3224 5664	$\overline{1027}$ 3468 5908	$\frac{8829}{1271}$ 3712	$\frac{1515}{3956}$	
1781 82 83 84 85	$\begin{array}{r} 9077 \\ 2511513 \\ 3949 \end{array}$	6883 9321 1757 4192 6625	$9564 \\ 2001 \\ 4435$	$9808 \\ 2244 \\ 4679$	$\overline{0052}$	$ \begin{array}{r} \hline 0295 \\ 2731 \\ 5166 \end{array} $	$0539 \\ 2975 \\ 5409$	$8346 \over 0783 \\ 3218 \\ 5652 \\ 8085$	$\begin{array}{c} 3462 \\ 5896 \end{array}$	1270 3705 6139	243 1 24 2 49 3 73 4 97
86 87 88 89 90	252 1246 3675 6103	9058 1489 3918 6346 8773	1732 4161 6589	1975 4404 6832	2218 4647 7074	2461 4889 7317	2703 5132 7560	$ \begin{array}{r} \hline 05\overline{16} \\ 2946 \\ 5375 \\ 7802 \\ \hline 0228 \\ \end{array} $	3189 5618 8045	3432 5861 8288	5 122 6 146 7 170 8 194 9 219
1791 92 93 94 95	5803	$3622 \\ 6045 \\ 8466$	3865 6287 8709	4107 6529 8951	$4349 \\ 6772 \\ 9193$	$\frac{4592}{7014}$	4834 7256 9677	9919	$\tfrac{7740}{0161}$	$\frac{5561}{7982} \\ \hline 0403$	
96 97 98 99 1800	5481 7897 255 0312	3305 5722 8138 0553 2966	5964 8380 0794	$6206 \\ 8621 \\ 1036$	$6447 \\ 8863 \\ 1277$	6689 9104 1519	6931 9346 1760	4756 7172 9587 2001 4414	7414 9829 2242	$\frac{7655}{0070}$ 2484	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1800 01 02 03 04 05	7548 9957 256 2365 4772	$\begin{array}{r} 5378 \\ 7789 \\ \hline 0198 \\ -2606 \\ 5013 \end{array}$	$\begin{array}{r} 5619 \\ \underline{8030} \\ 0439 \\ 2847 \\ 5253 \end{array}$	$ \begin{array}{r} 5860 \\ 8271 \\ \hline 0680 \\ 3087 \\ 5494 \end{array} $	$\begin{array}{r} 6102 \\ \underline{8512} \\ 0921 \\ 3328 \\ 5734 \end{array}$	$6343 \\ 8753 \\ \hline 1161 \\ 3569 \\ 5975$	$\begin{array}{r} 6584 \\ \underline{8994} \\ 1402 \\ 3810 \\ 6215 \end{array}$	$\begin{array}{r} 6825 \\ \underline{9235} \\ 1643 \\ 4050 \\ 6456 \end{array}$	$7066 \\ \underline{9475} \\ 1884 \\ 4291 \\ 6696$	9716 2125 4531 6937	
06 07 08 09 10 1811 12 13 14	9582 257 1984 4386 6786 9185 258 1582 3978 6373	9822 2224 4626 7026 9424 1822 4218 6612	0062 2465 4866 7266 9664 2061 4457 6852	0302 2705 5106 7506 9904 2301 4697 7091	5346 7745 $\overline{0144}$ 2541 4936 7330	0783 3185 5586 7985 0383 2780 5176 7570	3425 5826 8225 0623 3020 5415 7809	$\begin{array}{c} \overline{1264} \\ 3665 \\ 6066 \\ 8465 \\ \hline 0863 \\ 3259 \\ 5655 \\ 8048 \\ \end{array}$	1504 3905 6306 8705 1103 3499 5894 8288	1744 4146 6546 8945 1342 3738 6133 8527	240 1 24 2 48 3 72 4 96 5 120 6 144 7 168 8 192
15 16 17 18 19 20	259 1158 3549 5939 8327 260 0714	3788 6178 8566 0952	1637 4027 6417 8804 1191	1876 4266 6655 9043 1430	2115 4505 6894 9282 1668	2354 4744 7133 9521 1907	0202 2593 4983 7372 9759 2145	2832 5222 7611 9998 2384	$\begin{array}{c} 3071 \\ 5461 \\ 7849 \\ \hline 0237 \\ 2622 \end{array}$	3310 5700 8088 0475 2861	9 216
1821 22 23 24 25 26	5484 7867 261 0248 2629	3338 5722 8105 0486 2867 5246	5960 8343 0725 3105	6199 8581 0963 3343	6437 8820 1201 3580	6675 9058 1439 3818	4530 6914 9296 1677 4056 6435	7152 9534 1915 4294	7390. 9772 2153 4532	$\begin{array}{r} 7628 \\ \hline 0010 \\ 2391 \\ 4770 \end{array}$	238 1 24 2 48
27 28 29 30 1831	7385 9762 262 2137 4511	$7623 \\ 9999$	$\begin{array}{r} 7861 \\ \hline 0237 \\ 2612 \\ 4986 \end{array}$	$\begin{array}{r} 8099 \\ \hline 0475 \\ 2849 \\ 5223 \end{array}$	$\frac{8336}{0712} \\ 3087 \\ 5460$	$\frac{8574}{0950} \\ 3324 \\ 5697$	$\frac{8811}{1187}$ $\frac{3562}{5935}$	$\begin{array}{c} 9049 \\ \hline 1425 \\ 3799 \\ 6172 \end{array}$	$\begin{array}{c} 9287 \\ \hline 1662 \\ 4036 \\ 6409 \end{array}$	$\begin{array}{c} 9524 \\ \hline 1900 \\ 4274 \\ 6646 \end{array}$	3 71 4 95 5 119 6 143 7 167
32 33 34 35	$\begin{array}{r} 9255 \\ 2631625 \\ 3993 \\ 6361 \end{array}$	9492 1862 4230 6597	9729 2098 4467 6834	9966 2335 4704 7071	$ \begin{array}{r} 0203 \\ 2572 \\ 4940 \\ 7307 \end{array} $	0440 2809 5177 7544	$ \begin{array}{r} 0\overline{677} \\ 3046 \\ 5414 \\ 7780 \end{array} $	$3283 \\ 5651 \\ 8017$	$\overline{1151}$ 3520 5887 8254	1388 3757 6124 8490	8 190 9 214
36 37 38 39 40	264 1092 3455 5817 8178	3691 6053 8414	1564 3928 6290 8650	1801 4164 6526 8886	2037 4400 6762 9122	2273 4636 6998 9358	4873 7234 9594	2746 5109 7470 9830	$\begin{array}{c} 2982 \\ 5345 \\ 7706 \\ \hline 0066 \end{array}$	7 342	236 1 24
1841 · 42 43 44 45	5253 7609	$\frac{3132}{5489}$	3368 5725 8080	3604 5960 8316	3839 6196 8551	4075	$6667 \\ 9022$	4546 6903 9257	4782 7138 9493		2 47 3 71 4 94 5 118 6 142 7 165
46 47 48 49 1850		4904 7255 9604	5139 7490 9839	$\frac{5374}{7725}$ $\frac{0074}{0074}$	$\frac{5609}{7960}$ $\frac{7960}{0309}$	$ \begin{array}{r} 3493 \\ 5844 \\ 8195 \\ \hline 0543 \\ 2891 \end{array} $	$\frac{6080}{8429}$ $\frac{8429}{0778}$	$6315 \\ 8664 \\ \hline 1013$	$6550 \\ 8899 \\ \hline 1248$	$6785 \\ \underline{9134} \\ 1483$	8 189 9 212

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1850 51 52 53 54 55	6410 8754 268 1097	4299 6644 8989	4533 6879 9223 1566	4768 7113 9457 1800	5003 7348 9692 2034	2268	$5472 \\ 7817 \\ \hline 0160 \\ 2503$	$\begin{array}{c} 3360 \\ 5706 \\ \underline{8051} \\ 0394 \\ 2737 \\ 5078 \end{array}$	$\begin{array}{r} 5941 \\ \underline{8285} \\ 0629 \\ 2971 \end{array}$	$6175 \\ 8520 \\ \hline 0863 \\ 3205$	234
56 57 58 59 60	8119 269 0457 2794	6014 8353 0691 3028 5363	$8587 \\ 0925 \\ 3261$	$8821 \\ 1158 \\ 3495$	$9054 \\ 1392 \\ 3728$	$9288 \\ 1626 \\ 3962$	$\begin{array}{c} 9522 \\ 1859 \\ 4195 \end{array}$	7417 9756 2093 4429 6764	$9990 \\ 2327 \\ 4662$	0223 2560 4896	2 47 3 70 4 94 5 117 6 140 7 164
1861 62 63 64 65	$\begin{array}{r} 9797 \\ 2702129 \\ 4459 \end{array}$	$\begin{array}{c} 7697 \\ \hline 0030 \\ 2362 \\ 4692 \\ 7021 \end{array}$	$0263 \\ 2595 \\ 4925$	$0496 \\ 2828 \\ 5158$	$\begin{array}{c} \overline{0730} \\ 3061 \end{array}$	$ \begin{array}{r} \hline{0963} \\ 3294 \\ 5624 \end{array} $	$\overline{1196}$ 3527 5857	$\begin{array}{c} 9097 \\ \hline 1429 \\ 3760 \\ 6090 \\ 8418 \end{array}$	1662 3993 6323	$\overline{1895}$ 4226 6555	8 187 9 211
66 67 68 69 70	271 1443 3769 6093	9349 1676 4001 6325 8648	$1908 \\ 4234 \\ 6558$	$2141 \\ 4466 \\ 6790$	2374 4699 7022	7255	2839 5163 7487		$3304 \\ 5628 \\ 7952$	5861 8184	232
1871 72 73 74 75		$3290 \\ 5610 \\ 7928$	$3522 \\ 5841 \\ 8159$	$3754 \\ 6073 \\ 8391$	$3986 \\ 6305 \\ 8623$	$4218 \\ 6537 \\ 8854$	$4450 \\ 6769 \\ 9086$	2362 4682 7001 9318 1634	4914 7232 9549	5146 7464 9781	1 23 2 46 3 70 4 93 5 116 6 139
76 77 78 79 80	6956	4874, 7187 9499	5105 7418 9730	5337 7650 9961	$\frac{5568}{7881} \\ \hline{0192}$	$ \begin{array}{r} 5799 \\ 8112 \\ \hline 0423 \end{array} $	$\begin{array}{c} 6031 \\ \underline{8343} \\ \overline{0654} \end{array}$	$\begin{array}{c} 3949 \\ 6262 \\ \underline{8574} \\ 0885 \\ 3195 \end{array}$	$6493 \\ 8806 \\ \hline 1116$	$6725 \\ \underline{9037} \\ 1347$	7 162 8 186 9 209
1881 82 83 84 85	6196 8503 275 0809	4119 6427 8734 1039 3344	$6658 \\ 8964 \\ 1270$	$6888 \\ 9195 \\ 1500$		7350 9656 1961	$7581 \\ 9887 \\ 2192$	$\begin{array}{c} 5504 \\ \underline{7811} \\ 0117 \\ 2422 \\ 4726 \end{array}$	$\begin{array}{r} 8042 \\ \hline 0348 \\ 2653 \end{array}$	$\frac{8273}{0578} \\ 2883$	
86 87 88 89 90	$\begin{array}{r} 7719 \\ 2760020 \\ 2320 \end{array}$	5647 7949 0250 2549 4848	$\begin{array}{c} 8179 \\ 0480 \\ 2779 \end{array}$	$\begin{array}{c} 8409 \\ 0710 \\ 3009 \end{array}$	$\begin{array}{c} 8640 \\ 0940 \\ 3239 \end{array}$	$8870 \\ 1170 \\ 3469$	$9100 \\ 1400 \\ 3699$	7028 9330 1630 3929 6226	$\begin{array}{c} 9560 \\ 1860 \\ 4158 \end{array}$	9790 2090 4388	230
1891 92 93 94 95	6915 9211 277 1506 3800	7145 9441	7375 9670 1965 4258	7604 9900 2194 4488	$\begin{array}{c} 7834 \\ \hline 0129 \\ 2424 \\ 4717 \end{array}$	$0\overline{359} \\ 2653 \\ 4946$	$0588 \\ 2882 \\ 5175$	$\begin{array}{r} 8523 \\ \hline 0818 \\ 3112 \\ 5405 \\ 7696 \end{array}$	1047 3341 5634	$\frac{\overline{1277}}{3570}$	1 23 2 46 3 69 4 92 5 115 6 138
96 97 98 99 1900	8383 278 0673 2962 5250	8612	8841 1131 3420 5707	9070 1360 3648 5936	9299 1589 3877 6164	1818 4106 6393	6622		7079	2733 5021 7307	7 161 8 184 9 207

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No.	0	1	2	3 ^	4	5	6	7	8	9	Diff.
1900 01 02 03 04	279 210 438 666	$ \begin{array}{r} \overline{0050} \\ 5 2333 \\ 8 4616 \\ 9 6898 \end{array} $	$ \begin{array}{r} 0\overline{278} \\ 2562 \\ 4844 \\ 7126 \end{array} $	$\begin{array}{r} 8222 \\ \hline 0506 \\ 2790 \\ 5072 \\ 7354 \end{array}$	$ \begin{array}{r} 07\overline{35} \\ 3018 \\ 5301 \\ 7582 \end{array} $	0963 3247 5529 7810	$ \begin{array}{r} \hline 1192 \\ 3475 \\ 5757 \\ 8038 \end{array} $	3703 5985 8266	1648 3931 6213 8494	$\overline{1877}$ 4160 6441 8722	228
05 06 07 08 09 10 1911 12 13	280 122 350 578 805 281 033 260 487	7 3735 4 6011 9 8287 4 0561 7 2834	1685 3962 6239 3514 0788 3061 5333	$\begin{array}{c} 1912 \\ 4190 \end{array}$	2140 4418 6694 8969 1243 3516 5787	4645 6922 9197 1470 3743	2596 4873 7149 9424 1698 3970	2824 5101 7377 9651 1925 4197 6469	3051	0106 2380 4652 6923	1 23 2 46 3 68 4 91 5 114 6 137 7 160 8 182 9 205
13 14 15 16 17 18 19 20	$941 \\ 282168 \\ 395 \\ 622 \\ 848 \\ 283075$	9 9646 8 1915 5 4182 1 6448 6 8712	9873 2141 4408 6674 8939 1202	$ \begin{array}{r} \hline 0100 \\ 2368 \\ 4635 \\ 6901 \\ 9165 \\ 1429 \\ \end{array} $	$\overline{0327}$ 2595 4862 7127	$ \begin{array}{r} \overline{0554} \\ 2822 \\ 5088 \\ 7354 \end{array} $	0781 3048 5315 7580 9844	$\begin{array}{c} \overline{1007} \\ 3275 \\ 5541 \\ \underline{7807} \\ 0071 \\ 2334 \end{array}$	$\begin{array}{c} \overline{1234} \\ 3502 \\ 5768 \\ \underline{8033} \\ \overline{0297} \\ 2560 \\ \end{array}$	$\begin{array}{c} 1461 \\ 3728 \\ 5995 \\ \underline{8260} \\ 0523 \end{array}$	227 1 23 2 45 3 68 4 91 5 114 6 136 7 159
1921 22 23 24 25 26	527 753 979 284 205 430	$\begin{array}{c} 4 & 5500 \\ 4 & 7760 \\ 3 & \overline{9019} \\ 1 & 2276 \end{array}$	$5726 \\ 7986 \\ \hline 0245 \\ 2502 \\ 4759$	$\begin{array}{c} 5952 \\ \underline{8212} \\ \overline{0470} \\ 2728 \\ \underline{4984} \end{array}$	$\begin{array}{c} 6178 \\ \underline{8438} \\ \overline{0696} \\ 2953 \\ 5210 \end{array}$	$\begin{array}{r} 6404 \\ \underline{8663} \\ 0922 \\ 3179 \end{array}$	6630 8889	$6856 \\ \underline{9115} \\ \overline{1373} \\ 3630$	$7082 \\ \underline{9341} \\ 1599 \\ 3856$	7308 9567	8 182 9 204 226 1 23 2 45 3 68 4 90
27 28 29 30	881 285 107 332 557	7 9043 0 1296 2 3547 3 5798	$\begin{array}{c} 9268 \\ 1521 \\ 3773 \\ 6023 \end{array}$	9493 1746 3998 6248	9719 1971 4223 6473	$9944 \\ 2196$	0169 2422 4673	$\overline{0394}$ 2647 4898		0845 3097 5348 7598	5 113 6 136 7 158 8 181 9 203
1931 32 33 34 35	286 007 231 456 681	9 2543 5 4789 0 7034	$\begin{array}{c} 0521 \\ 2768 \\ 5014 \\ 7259 \end{array}$	$0746 \\ 2993 \\ 5238 \\ 7483$	0970 3217 5463 7707	3442 5687 7932	1420 3666 5912 8156	8381	1869	$\begin{array}{c} 4340 \\ 6585 \end{array}$	225 1 23 2 45 3 68 4 90
36 37 38 39 40	287 129 353 577		1745 3986 6226	1969 4210 6450	2193 4434 6674	2417 4658 6898	$\begin{array}{c} 4882 \\ 7122 \end{array}$	$\begin{array}{c} 2865 \\ 5106 \end{array}$	$\frac{5330}{7570}$	$5554 \\ 7793$	5 113 6 135 7 158 8 180 9 203
1941 42 43 44 45	696 919	2 2716 8 4952 3 7186 6 9419	2939 5175 7409 9643	3163 5399 7633 9866	3387 5622 7856 0089	$ \begin{array}{r} 3610 \\ 5845 \\ \hline 8079 \\ \hline 0312 \end{array} $	$ \begin{array}{r} 3834 \\ 6069 \\ 8303 \\ \hline 0536 \end{array} $	$ \begin{array}{r} 1821 \\ 4057 \\ 6292 \\ \hline 8526 \\ \hline 0759 \end{array} $	$4281 \\ 6516 \\ 8749$	$\begin{array}{c} 4504 \\ 6739 \end{array}$	224 1 22 2 45 3 67 4 90 5 112
46 47 48 49 1950	589	0 3883 0 6112 8 8341	4106 6335 8564	4329 6558 8787	4552 6781 9010	4775 7004 9232	$7227 \\ 9455$		$\begin{array}{c} 7673 \\ 9901 \end{array}$	$\tfrac{7896}{0123}$	6 134 7 157 8 179 9 202

1	No.	1	0	1	2	3	4	5	6	7	8	9	Diff.
	1950 51 52 53 54 55	47 70 95	573 798 022 246	2795 5021 7245 9468	$\frac{3018}{5243}$	3240 5466 7690 9912	$ \begin{array}{r} 3463 \\ 5688 \\ \hline 7912 \\ \hline 0135 \end{array} $	3686 5910 8134	$\overline{0579}$	$4131 \\ 6355 \\ 8579 \\ \hline 0801$	4353 6578 8801	$\begin{array}{c} 4576 \\ 6800 \\ \underline{9023} \\ 1245 \end{array}$	222 1 22
	56 57 58 59 60	59 81 292 03 24	908 127 344 561	6130 8349 0566 2782	8570 0788 3004	6574 8792 1009 3225	6796 9014 1231 3447	9236 1453 3668		9679 1896 4111	9901 2118 4333	$\frac{7905}{0123}$ $\frac{2339}{4554}$	2 44 3 67 4 89 5 111 6 133 7 155 8 178
	1961 62 63 64 65 66	293 14 36	990 203 415 626	7211 9424 1636 3847	7433 9645 1857 4068	$9867 \\ 2078$		$\begin{array}{r} 8097 \\ \hline 0309 \\ 2520 \end{array}$	$2741 \\ 4951$	$\frac{8539}{0751}$ 2962	$\frac{8760}{0973}$ 3183 5393	$\frac{8982}{1194}$ 3405 5614	221 1 22 2 44
	67 68 69 70	294 03 294 03 4	$044 \\ 251 \\ 457 \\ 662$	8264	8485 0692 2898 5103	8706	3927 1134 3339	9147 1354 3560	9368 1575 3780 5985 8188	9589 1795 4001	9810 2016 4221 6426	$0030 \\ 2237 \\ 4442$	3 66 4 88 5 111 6 133 7 155 8 177
	72 73 74 75	295 1: 3 5	069 271 471 671	9289 1491 3691 5891	9510 1711 3911 6111	9730 1931 4131 6331	9950 2151 4351 6550	$ \begin{array}{r} \hline 0170 \\ 2371 \\ 4571 \\ 6770 \end{array} $	$ \begin{array}{r} 0390 \\ 2591 \\ 4791 \\ 6990 \end{array} $	$ \begin{array}{r} \hline{0610} \\ 2811 \\ 5011 \\ 7210 \end{array} $	$ \begin{array}{r} \hline 0831 \\ 3031 \\ 5231 \\ 7430 \end{array} $	$ \begin{array}{r} \hline 1051 \\ 3251 \\ 5451 \\ 7650 \end{array} $	9 199 220 1 22 2 44
	76 77 78 79 80	296 0 2 4 6	$067 \\ 263 \\ 458 \\ 652$	0286 2482 4677 6871	7091	$2922 \\ 5116 \\ 7310$	3141 5336 7529	1165 3361 5555 7748	1385 3580 5774 7968	1604 3800 5994 8187	1824 4019 6213 8406	2043 4238 6433 8626	3 66 4 88 5 110 6 132 7 154 8 176 9 198
	1981 82 83 84 85	297 1 3 5	$037 \\ 227 \\ 417$	$1256 \\ 3446 \\ 5636$	9283 1475 3665 5854 8043	$1694 \\ 3884 \\ 6073$	1913 4103 6292	$2132 \\ 4322 \\ 6511$	0160 2351 4541 6730 8918	6949	7168	3008	219 1 22 2 44 3 66
	86 87 88 89 90	2981	$979 \\ 164 \\ 348$	$2197 \\ 4382 \\ 6566$	$ \begin{array}{r} 0230 \\ 2416 \\ 4601 \\ 6785 \\ 8967 \end{array} $	2634 4819 7003	$2853 \\ 5038 \\ 7221$	3071 5256 7439	$\overline{1104}$ 3290 5474 7658 9840	$\frac{5693}{7876}$	$\begin{array}{c} 5911 \\ 8094 \end{array}$	$\begin{array}{c} 6129 \\ 8313 \end{array}$	4 88 5 110 6 131 7 153 8 175 9 197
	1991 92 93 94 95	5 7	$893 \\ 073 \\ 252$	$\frac{3111}{5291}$	7687	$\frac{3547}{5727}$	$3765 \\ 5945 \\ 8123$	3983 6162 8340	$\begin{array}{c} 2021 \\ 4201 \\ 6380 \\ \underline{8558} \\ 0735 \end{array}$	4419 6598 8776	4637 6816 8994	$4855 \\ 7034 \\ 9211$	218 1 22 2 44 3 65
	96 97 98 99 2000	8	$\frac{3781}{5955}$	3998 6172 8345	6390 -8562	4433 6607 8780	2476 4650 6824 8997 1168		5085	$7476 \\ 9648$	7693 9866	$\begin{array}{r} 5737 \\ 7911 \\ \hline 0083 \end{array}$	4 87 5 109 6 131 7 153 8 174 9 196

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2000 01 02 03	$3010300 \\ 2471 \\ 4641 \\ 6809$	2688 4858	$2905 \\ 5075 \\ 7243$	$3122 \\ 5291 \\ 7460$	1168 3339 5508 7677	3556 5725 7893	3773 5942 8110	$\begin{array}{c} 6159 \\ 8327 \end{array}$	$4207 \\ 6376 \\ 8544$	4424 6593 8760	217 1 22 2 43 3 65
04 05 06		$\frac{1360}{3526}$	$1577 \\ 3742$	9627 1794 3959 6123	9844 2010 4175 6339	0061 2227 4392 6556		0494 2660 4825 6988		3093 5257	4 87 5 109 6 130 7 152
07 08 09 10		$\tfrac{7853}{0016}$		$8286 \over 0448 \\ 2609$	$\frac{8502}{0664}$ 2825	$\frac{8718}{0880}$	$\frac{8935}{1096} \\ 3257$	$\frac{9151}{1312}$ 3473	9367 1528 3689	9583 1745 3905	8 174 9 195 216 1 25
2011 12 13 14 15	$\begin{array}{c} 8438 \\ 3040595 \end{array}$	0810	$\begin{array}{c} 6711 \\ 8869 \end{array}$	6927	4984 7143 9301 1457 3613	7359 9516		5632 7790 9948 2104 4259	2319	$6064 \\ \underline{8222} \\ 0379 \\ 2535 \\ 4690$	2 45 3 65 4 86 5 108 6 130 7 155
16 17 18 19 20	9212 3051363	9427	$\begin{array}{c} 7490 \\ 9642 \end{array}$	2008	$5767 \\ 7920 \\ \hline 0072 \\ 2224 \\ 4374$	5982 8135 0288 2439 4589	8351	$\begin{array}{r} 6413 \\ \underline{8566} \\ 0718 \\ 2869 \\ 5018 \end{array}$	$\frac{8781}{0933}$	$6844 \\ 8996 \\ \hline 1148 \\ 3299 \\ 5448$	8 173 9 194 215 1 25
2021 22 23 24 25	7812 9959 3062105	$\tfrac{8026}{0174}$		$\frac{8456}{0603} \\ 2749$			$\begin{array}{c} 6952 \\ \underline{9100} \\ 1247 \\ 3392 \\ 5537 \end{array}$	$7167 \\ \underline{9315} \\ 1461 \\ 3607 \\ 5751$	$\begin{array}{c} 7382 \\ \underline{9529} \\ 1676 \\ 3821 \\ 5966 \end{array}$	7597 9744 1891 4036 6180	2 4 3 6 4 8 5 10 6 12 7 15
26 27 28 29 30	$\begin{array}{r} 8537 \\ 3070680 \\ 2820 \end{array}$	8752 0894 3035 5174	$1108 \\ 3249 \\ 5388$	$\begin{array}{c} 3463 \\ 5602 \end{array}$	1536 3677 5816	9609 1750 3891	$\begin{array}{c} 1964 \\ 4105 \end{array}$	$\begin{array}{r} 7895 \\ \hline 0037 \\ 2178 \\ 4319 \\ 6458 \end{array}$	$\begin{array}{c} 2392 \\ 4532 \end{array}$	$\begin{array}{c} 2606 \\ 4746 \end{array}$	8 17 9 19 214 1 2 2 4 3 6
2031 32 33 34 35	$3081374\ 3509$	$9451 \\ 1587 \\ 3723$	$\begin{array}{c} 1801 \\ 3936 \end{array}$	7741 9878 2015 4150 6284	$\begin{array}{c} 2228 \\ 4363 \end{array}$	0306 2442 4577	2655	$07\overline{33} \\ 2869 \\ 5004$	3082	3296 5431	4 8 5 10 6 12 7 15 8 17 9 19
36 37 38 39 40	$\begin{array}{r} 9910 \\ 3092042 \\ 4172 \end{array}$	0123 2255 4385	0337 2468 4598	$\begin{array}{r} 8418 \\ \hline 0550 \\ 2681 \\ 4811 \\ 6940 \end{array}$	$07\overline{63} \\ 2894 \\ 5024$	0976 3107 5237	$\begin{array}{c} 3320 \\ 5450 \end{array}$	$\begin{array}{c} 9271 \\ \hline 1402 \\ 3533 \\ 5663 \\ 7792 \end{array}$	$\begin{array}{c} 3746 \\ 5876 \end{array}$	3959 6089	213 1 2 2 4
2041 42 43 44 45	4809	$0770 \\ 2896 \\ 5021$	$0983 \\ 3109 \\ 5234$	9068 1195 3321 5446 7570	$1408 \\ 3534 \\ 5659$	$\frac{1621}{3746}$	1833 3959 6084	9919 2046 4171 6296 8419	$2258 \\ 4384 \\ 6508$	4596	3 6- 4 8: 5 10- 6 12: 7 14: 8 17:
46 47 48 49 2050	311 1178 3300	1391 3512 5632	1603 3724 5843	3936 6055	2027 4148 6267	2239 4360 6479	$\begin{array}{c} 4572 \\ 6691 \end{array}$	$\begin{array}{c} 2663 \\ 4784 \end{array}$	4996 7115	3087 5208 7327	9 19

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2050 51 52 53 54 55	$3121774 \\ 3889 \\ 6004$	9868 1985 4101 6216	4313	2408 4524 6639	$\begin{array}{c} \overline{0504} \\ 2620 \end{array}$	$ \begin{array}{r} 0715 \\ 2832 \\ 4947 \\ 7061 \end{array} $	$\begin{array}{c} \overline{0927} \\ 3043 \\ 5159 \end{array}$	$3255 \\ 5370 \\ 7484$	$\overline{1350}$ 3466 5581		211
56 57 58 59 60 2061 62 63 64 65	4454 6563 8672 314 0780 2887 4992 7097	2554 4665 6774 8883 0991 3097 5203 7307	2765 4876 6985 9094 3308	2976 5087 7196 9305 1412 3518 5624 7728	$\begin{array}{c} 1076 \\ 3187 \\ 5298 \\ 7407 \\ 9515 \\ 1623 \\ 3729 \\ 5834 \\ \underline{7939} \\ 0042 \end{array}$	5509 7618 9726 1833 3940 6045	5720 7829 9937 2044 4150 6255	$\begin{array}{c} 3821 \\ 5931 \end{array}$	$\begin{array}{c} 6142 \\ \underline{8251} \\ 0358 \\ 2465 \\ 4571 \\ 6676 \end{array}$	$\begin{array}{c} 4243 \\ 6353 \\ \underline{8461} \\ 0569 \\ 2676 \\ 4782 \\ 6887 \\ \underline{8990} \end{array}$	1 21 2 42 3 63 4 84 5 106 6 127 7 148 8 169 9 190
66 67 68 69 70	315 1303 3405 5505 7605	1513 3615 5715	1724 3825 5925 8025	$1934 \\ 4035 \\ 6135$	$\begin{array}{c} 2144 \\ 4245 \\ 6345 \\ \underline{8444} \\ \overline{0543} \end{array}$	$2354 \\ 4455 \\ 6555$	2564 4665 6765 8864 0962	$\begin{array}{c} 2774 \\ 4875 \end{array}$	2985 5085 7185	$\frac{3195}{5295}$	210 1 21 2 42 3 63 4 84 5 105
2071 72 73 74 75	5993	$4107 \\ 6203 \\ 8297$	$4317 \\ 6412 \\ 8506$	$\begin{array}{c} 2430 \\ 4526 \\ 6621 \\ 8716 \\ 0809 \end{array}$	4736 6831 8925	7040	3059 5155 7250 9344 1437		3478 5574 7669 9762 1855	3688 5784 7878 9972 2064	6 126 7 147 8 168 9 189
76 77 78 79 80	6455	4574 6664 8754	4783 6873 8963	$\begin{array}{c} 7082 \\ 9172 \end{array}$	3110 5201 7291 9380 1468	$7500 \\ 9589$	3528 5619 7709 9798 1886	$\begin{array}{c} 3738 \\ 5828 \\ \hline 7918 \\ \hline 0007 \\ 2095 \end{array}$		$\frac{8336}{0425}$	1 21 2 42 3 63 4 84 5 105 6 125
2081 82 83 84 85	4807 6893	5016 7101 9186	3138 5224 7310 9394 1477	$\begin{array}{c} 5433 \\ 7518 \end{array}$		$\frac{5850}{7935}$		6267	$\tfrac{8560}{0644}$	$4599 \\ 6684 \\ 8769 \\ \hline 0852 \\ 2935$	7 146 8 167 9 188 208 1 21
86 87 88 89 90	≥ 5224	$\begin{array}{c} 7513 \\ 9592 \end{array}$	$\begin{array}{c} 5641 \\ 7721 \end{array}$	$\begin{array}{c} 5849 \\ 7929 \\ \hline 0008 \end{array}$	$\tfrac{8137}{0216}$	$\frac{6265}{8345} \\ \hline 0424$	$4392 \\ 6473 \\ \underline{8553} \\ \overline{0632} \\ 2709$	$\frac{6681}{8761} \\ \hline 0839$	$\begin{array}{c} 4808 \\ 6889 \\ \underline{8969} \\ 1047 \\ 3125 \end{array}$	$5016 \\ 7097 \\ \underline{9176} \\ 1255 \\ 3333$	2 42 3 62 4 83 5 104 6 125 7 146
2091 92 93 94 95	5617 7692	5824 7900 9974	$\overline{0182}$	$\frac{6240}{8315} \\ \hline 0389$	$\begin{array}{c} 6447 \\ 8522 \end{array}$	$\begin{array}{r} 6655 \\ 8730 \\ \hline 0804 \end{array}$	$\frac{8937}{1011}$	9145	$7277 \\ 9352 \\ \hline 1426$	$5409 \\ 7485 \\ 9559 \\ \hline 1633 \\ 3706$	8 166 9 187
96 97 98 99 2100	5984 8055 322 0124	6191 8262 0331	4327 6398 8469 0538 2607	$6606 \\ 8676 \\ 0745$	$6813 \\ 8883 \\ 0952$	7020 9090 1159	5156 7227 9297 1366 3434		7641 9711 1779	7848 9917 1986	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
2100 01 02 03 04 05	6327	4467 6534 8599 0664	4674 6740 8806 0870	$4881 \\ 6947 \\ 9012$	5087 7153 9219 1283	5294 7360 9425 1489	5501 7567 9632 1696	3640 5707 7773 9838 1902 3965	$\begin{array}{c} 5914 \\ \underline{7980} \\ 0045 \\ 2108 \end{array}$	$\frac{6121}{8186} \\ \hline 0251$	
06 07 08 09 10 2111	6645 8706 324 0766 2825 4882	3030 5088	7058 9118 1178 3236 5294	7264 9324 1384 3442 5499	7470 9530 1589 3648 5705	7676 9736 1795 3854 5911	7882 9942 2001 4059 6117	6322	$\begin{array}{r} 8294 \\ \hline 0354 \\ 2413 \\ 4471 \\ 6528 \end{array}$	0560 2619 4677 6734	206 1 21 2 41 3 62 4 82
12 13 14 15 16	$\begin{array}{r} 8995 \\ 3251050 \\ 3104 \end{array}$		9406 1461 3514	9612.1666 3720	9817 1872 3925	0023 2077 4130	0228 2282 4336	8378 0433 2488 4541 6593	$ \begin{array}{r} \hline{0639} \\ 2693 \\ 4746 \end{array} $	0844 2898 4951	5 103 6 124 7 144 8 165 9 185
17 18 19 20 2121	9260 3261310 3359	7414 9465 1515 3563 5611	9670 1719 3768	9875 1924 3973	$\begin{array}{c} \overline{0080} \\ 2129 \\ 4178 \end{array}$	$\overline{0285}$ 2334 4383	$0490 \\ 2539 \\ 4588$	$\begin{array}{r} 8644 \\ \hline 0695 \\ 2744 \\ 4792 \\ 6840 \end{array}$	$ \begin{array}{r} \hline{0900} \\ 2949 \\ 4997 \end{array} $	$\frac{\overline{1105}}{3154}$	205 1 21 2 41 3 62
22 23 24 25 26	7454 9500 327 1545	7658 9705 1750 3794	7863 9909 1954 3998	$\begin{array}{r} 8068 \\ \hline 0114 \\ 2158 \\ 4202 \end{array}$	$\tfrac{8272}{0318}$	$\begin{array}{r} 8477 \\ \hline 0523 \\ 2567 \\ 4611 \end{array}$	$\begin{array}{r} 8682 \\ \hline 0727 \\ 2772 \\ 4815 \end{array}$	$\frac{8886}{0932} \\ 2976$	$\begin{array}{c} 9091 \\ \hline 1136 \\ 3181 \\ 5224 \end{array}$	$\frac{9295}{1341}$ 3385	4 82 5 103 6 123 7 144 8 164 9 185
27 28 29 30	7675 * 9716 328 1757 3796	7879 9920 1961 4000	$\begin{array}{r} 8083 \\ \hline 0124 \\ 2165 \\ 4204 \end{array}$	$\begin{array}{r} 8287 \\ \hline 0328 \\ 2369 \\ 4408 \end{array}$	$\begin{array}{r} 8492 \\ \hline 0533 \\ 2572 \\ 4612 \end{array}$	$\begin{array}{r} 8696 \\ \hline 0737 \\ 2776 \\ 4815 \end{array}$	$\frac{8900}{0941}$ 2980 5019	$\frac{9104}{1145}$ 3184 5223	$\frac{9308}{1349}$ $\frac{3388}{5427}$	$\frac{9512}{1553}$ 3592 5631	204 1 20 2 41 3 61
2131 32 33 34 35	7872 9909 3291944	$6038 \\ 8076 \\ \hline 0112 \\ 2148 \\ 4182$	$\begin{array}{r} 8279 \\ \hline 0316 \\ 2351 \end{array}$	$\frac{8483}{0519}$ 2555	$\frac{8687}{0723}$ 2758 4792	$\overline{0926} $ 2962 4996	$\frac{9094}{1130}$ 3165 5199	$7261 \\ 9298 \\ \hline 1334 \\ 3369 \\ 5402$	$\begin{array}{r} 9501 \\ \hline 1537 \\ 3572 \\ 5606 \end{array}$	$\overline{1741}$ 3775 5809	4 82 5 102 6 122 7 143 8 163 9 184
36 37 38 39 40	8045 330 0077 2108	6216 8248 0280 2311 4341	$8452 \\ 0483 \\ 2514$	$8655 \\ 0686 \\ 2717$	8858 0889 2920	$\frac{1093}{3123}$	$\begin{array}{c} 9264 \\ 1296 \\ 3326 \end{array}$	7436 9468 1499 3529 5558	9671 1702 3732	9874 1905 3935	203 1 20 2 41
2141 42 43 44 45	8195 331 0222 2248		$8600 \\ 0627 \\ 2653$	8803 0830 2855	9006 1032 3058	$9208 \\ 1235$	9411 1437 3463	$\frac{1640}{3666}$	9816 1843 3868	$\begin{array}{c} \hline 0019 \\ 2045 \end{array}$	3 61 4 81 5 102 6 122 7 142 8 162
46 47 48 49 2150	8320 332 0343 2364	$0545 \\ 2566$	8725 0747 2768	8927 0949 2970	9129 1151	9332 1354 3374	9534 1556 3577	7714 9736 1758 3779 5798	9938 1960 3981	0141 2162 4183	9 183

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2150 51 52 53 54 55			$8826 \\ 0844$	$\begin{array}{c} 4991 \\ 7010 \\ 9028 \\ 1045 \\ 3062 \\ 5077 \end{array}$	5193 7212 9230 1247 3263 5279	7414	$7615 \\ 9633 \\ 1650$	5798 7817 9835 1852 3868 5883	$\begin{array}{c} 6000 \\ \underline{8019} \\ 0037 \\ 2054 \\ 4070 \\ 6085 \end{array}$	$\frac{2255}{4271}$	202 1 20 2 40 3 61 4 81 5 101 6 121
56 57 58 59 60 2161	$\begin{array}{r} 8501 \\ 3340514 \\ 2526 \\ 4538 \end{array}$	6689 8703 0716 2728 4739 6749	8904 0917 2929 4940	$9105 \\ 1118 \\ 3130$	$\frac{1319}{3331}$	7495 9508 1521 3532 5543 7552	7696 9709 1722 3733 5744 7753	7897 9911 1923 3934 5945 7954	$\begin{array}{c} 8099 \\ \hline 0112 \\ 2124 \\ 4135 \\ 6146 \\ 8155 \end{array}$	$\overline{0313}$ 2325 4336 6347	7 141 8 162 9 182 201 1 20 2 40
62 63 64 65 66	8557 3350565	$\begin{array}{c} 8758 \\ 0766 \\ 2773 \\ 4780 \end{array}$	8959 0967 2974 4980	$\begin{array}{c} 9159 \\ 1168 \end{array}$	9360 1368 3375 5381 7386	9561 1569 3576 5582 7587	9762 1770 3777 5782 7787	9963 1970 3977 5983 7988	0164 2171 4178 6183 8188	$\overline{0364}$	3 60 4 80 5 101 6 121 7 141 8 161
67 68 69 70 2171	3360593	2796	0993 2996 4998		$\begin{array}{c} 1394 \\ 3396 \end{array}$	9591 1594 3597 5598 7598	9791 1795 3797 5798 7798	9992 1995 3997 5998 7998	0192 2195 4197 6198 8198	4397	9 181
72 73 74 75 76	8598 337 0597 2595 4593 6589	8798	8998	9198 1197 3195 5192 7188	9398 1397 3394 5391 7387	1596	9798 1796 3794 5791 7786	9998 1996 3994 5990 7986	$\begin{array}{c} \overline{0198} \\ 2196 \end{array}$	$\overline{0397}$	1 20 2 40 3 60 4 80 5 100 6 120
77 78 79 80 2181	$\begin{array}{r} 8584 \\ 3380579 \\ 2572 \end{array}$	8784	$8983 \\ 0978 \\ 2971$	9183 1177 3170 5163	$9382 \\ 1376 \\ 3369$	9582 1576 3569	9781 1775 3768	9981 1974 3967 5959	$ \begin{array}{r} \hline 0180 \\ 2174 \\ 4166 \end{array} $	$ \begin{array}{r} 0379 \\ 2373 \\ 4366 \end{array} $	7 140 8 160 9 180
82 83 84 85	8547 339 0537 2526 4514	$8746 \\ 0736 \\ 2725 \\ 4713$	8946 0935 2924 4912	9145 1134 3123 5111 7098	9344 1333 3322 5309 7296	9543 1532 3520 5508		9940 1930 3918 5906		$ \begin{array}{r} 0338 \\ 2327 \\ 4316 \\ 6303 \end{array} $	199 1 20 2 40 3 60 4 80 5 100
86 87 88 89 90		6700 8686 0672 2656 4639	$0870 \\ 2854 \\ 4838$	9084 1069 3053 5036	9282 1267 3251 5234	$1466 \\ 3449 \\ 5433$	9679 1664 3648 5631	9878 1862 3846 5829	$\begin{array}{c} 0076 \\ 2061 \\ 4045 \\ 6027 \end{array}$	0275 2259 4243 6226	6 119 7 139 8 159 9 179
2191 92 93 94 95'	341 0386 2366 4345	8604 0584 2564 4543	$\begin{array}{c} 8802 \\ 0782 \\ 2762 \\ 4741 \end{array}$	9000 0980 2960 4939	9198 1178 3158 5137	1376 3356 5334	$\begin{array}{c} 9594 \\ 1574 \\ 3554 \\ 5532 \end{array}$		$\begin{array}{c} 9990 \\ 1970 \\ 3950 \\ 5928 \end{array}$	2168 4147 6126	198 1 20 2 40 3 59 4 79
96 97 98 99 2200	342 0277 342 0277 2252 4227	$8498 \\ 0474 \\ 2450$	8696 0672 2647	8894 0870 2845		$\frac{1265}{3240}$	$9486 \\ 1462 \\ 3437$		$1857 \\ 3832$	4029	5 99 6 119 7 139 8 158 9 178

No.	0	1	2 .	3	4	5	6	7	8	9	Diff.
2200 01 02 03 04 05	343 0145 2116	$6398 \\ 8370 \\ 0342$	6595 8568 0539 2510	6792 8765 0736 2707	6990 8962 0933 2904	7187 9159 1131 3101	7384 9356 1328 3298	5608 7581 9554 1525 3495 5464	7779 9751 1722 3692	7976 9948 1919	197 1 20
06 07 08 09 10 2211 12	9991 344 1957 3923 5887	$\tfrac{8220}{0187}$	$\begin{array}{r} 8417 \\ \hline 0384 \\ 2350 \\ 4316 \\ 6280 \\ \end{array}$	$\begin{array}{r} 8614 \\ \hline 0581 \\ 2547 \\ 4512 \\ 6477 \end{array}$	$\begin{array}{r} 8810 \\ \hline 0777 \\ 2743 \\ 4709 \\ 6673 \end{array}$	$\begin{array}{r} 9007 \\ \hline 0974 \\ 2940 \\ 4905 \\ 6869 \end{array}$	$\overline{1171}$ 3137 5102	$\begin{array}{r} 9401 \\ \hline 1367 \\ 3333 \\ 5298 \\ 7262 \end{array}$	1564 3530 5495	$ \begin{array}{r} \overline{1761} \\ 3726 \\ 5691 \end{array} $	2 39 3 59 4 79 5 99 6 118 7 138 8 158 9 177
13 14 15 16 17	345 1776 3737 5698 7657	3933 5894 7853	2168 4129 6090 8049	2365 4325 6285 8245	2561 4522 6481 8440	2757 4718 6677 8636	4914 6873 8832	3149 5110 7069 9028	5306 7265 9224	3541 5502 7461 9420	196 1 20 2 39 3 59 4 78
18 19 20 2221 22 23	346 1573 3530 5486 7441 9395	3725 5681 7636 9590	1964 3921 5877 7831 9785	2160 4117 6072 8027 9981	$\begin{array}{c} 2356 \\ 4312 \\ 6268 \\ \underline{8222} \\ 0176 \end{array}$	$\begin{array}{c} 2551 \\ 4508 \\ 6463 \\ \underline{8418} \\ 0371 \end{array}$	$\begin{array}{c} 2747 \\ 4703 \\ 6659 \\ \underline{8613} \\ 0567 \end{array}$	$\tfrac{8808}{0762}$	$\begin{array}{c} 3138 \\ 5094 \\ 7050 \\ \underline{9004} \\ 0957 \end{array}$	$5290 \\ 7245 \\ \underline{9199} \\ 1153$	5 98 6 118 7 137 8 157 9 176
24 25 26 27 28 29 30	5252 7202 9152 348 1101	3495 5447 7397 9347	3691 5642 7592 9542 1490	3886 5837 7787 9737 1685	4081 6032 7982 9931	$\begin{array}{c} 4276 \\ 6227 \\ 8177 \\ \hline 0126 \\ 2075 \end{array}$	$4471 \\ 6422 \\ \underline{8372} \\ 0321 \\ 2270$	2715 4666 6617 8567 0516 2464 4412	$4861 \\ 6812 \\ \underline{8762} \\ \overline{0711} \\ 2659$	5056 7007 8957 0906 2854	195 1 20 2 39 3 59 4 78
2231 32 33 34 35	4996 6942 8887 349 0832 2775	5190 7136 9082 1026 2970	5385 7331 9276 1220 3164	5580 7526 9471 1415 3358	5774 7720 9665 1609 3552	5969 7915 9860 1804 3747	$\begin{array}{c} 6164 \\ \underline{8109} \\ 0054 \\ 1998 \\ 3941 \end{array}$	$\begin{array}{c} 6358 \\ \underline{8304} \\ 0248 \\ 2192 \\ 4135 \end{array}$	$\begin{array}{c} 6553 \\ \underline{8498} \\ 0443 \\ \underline{2387} \\ 4330 \end{array}$	$6747 \\ 8693 \\ \hline 0637 \\ 2581 \\ 4524$	5 98 6 117 7 137 8 156 9 176
36 37 38 39 40 2241	6660 8601 350 0541 2480	2674	7048 8989 0929 2868	7242 9183 1123 3062	7436 9377 1317 3256		7825 9765 1705 3643	8019 9959 1898 3837	$0\overline{153} \\ 2092 \\ 4031$	$\begin{array}{r} 8407 \\ \hline 0347 \\ 2286 \\ 4225 \end{array}$	194 1 19 2 39 3 58
42 43 44 45 46	6356 8293 351 0229 2163 4098	6550 8486 0422 2357 4291	6743 8680 0616 2550 4484	6937 8874 0809 2744 4678	7131 9067 1003 2937 4871	7325 9261 1196 3131 5064	7518 9454 1390 3324 5258	7712 9648 1583 3517 5451	7905 9841 1777 3711 5644	8099 0035 1970 3904 5837	4 78 5 97 6 116 7 136 8 155 9 175
47 48 49 2250	56031 57963 9895 3521825	$\tfrac{8156}{0088}$	$\frac{8349}{0281}$	$\frac{8543}{0474}$	$\tfrac{8736}{0667}$	0860	$\frac{9122}{1053}$	$\frac{9315}{1246}$	7577 9508 1439 3369	$\overline{1632}$	193

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2250	3521825	2018	2211	2404	2597	12790	2983	3176	3369	3562	193
51	3755	3948	4141	4334	4527	4720	4912	5105	5298	5491	1 19
52		5877		6262			6841				2 39
53				.8190			8768	8961		9346	3 58 4 77
54				0117			0695		1080	1273	5 97
55	3531465	1658	1851	2043	2236	·2428	2621	2813	3006	3198	6 116
56	3391	3583	3776	3968	4161	4353	4546	4738	4931	5123	7 135
57				5893		6278			6855		8 154 9 174
58				7816			8393	8586	8778	8970	9 174
59				9739			$\overline{0316}$		0700		192
60	354 1084	1277	1469	1661	1853	2045	2237	2429	2621	2814	1 19
2261			3390		3774			4350	4542	4734	2 38
62				5502			6078		6462		3 58
63				7421			7997	8189	8381		4 77 5 96
64				9340			9915				5 96 6 115
65	3550682	0874	1066	1257	1449	1641	1832	2024	2216	2407	7 134
66	2599	2791	2982	3174	3366	3557	3749	3940	4132	4324	8 154
67				5090			5664				9 173
68				7005				–	7962	8154	
69				8919			9493				
70	3560259	0450	.0641	0832	1024	1215	1406	1598	1789	1980	191
2271	2171			2745	2936	3127	3319	3510	3701	3892	1 19 2 38
72	/ 4083			4657			5230			5803	3 57
73				6568			7141				4 76
74				8478			9050				5 96
75	9814	0005	0196	0387	0578	. 0768	0959	1150	1341	1532	6 115
76	357 1723						2867			3440	7 134 8 153
77				4202		4584					9 172
78				6109		6490					
79 80	7443						8586				1
				9920		140	0491				
2281	358 1253										
82 83				3727		4108					
84				7531		6010	8102				100
85		9052		9432			$\frac{8102}{0002}$			$\frac{8672}{0572}$	190 1 19
1											2 38
86 87	359 0762			$\frac{1332}{3231}$	1522		1902			2472	3 57
88		4750		5130			3801 5699				4 76
89		6648		7027			7596		7976		5 95 6 114
90				8924			9493				6 114 7 133
2291	360 0251			0820			1388				8 152
92				2715			3283			$\frac{1957}{3851}$	9 171
93				4609			5177				
94				6502			7070			7638	
95				8395		0002	8962				189
96				0286	-10"	0664		$\overline{1043}$	$\frac{1232}{1232}$	$\frac{1421}{1421}$	
97	361 1610						2744			3311	
98				4067			4634				
99		5579									

No.	0	1	· 2	3	4	5	6	7	8	9	Diff.
2300 01 02 03		$9355 \\ 1242 \\ 3128$	$9544 \\ 1430 \\ 3317$	$\begin{array}{c} 9732 \\ 1619 \\ 3505 \end{array}$	9921 1808 3694	$0\overline{110} \\ 1996 \\ 3882$	0298 2185 4071	0487 2374 4259	0676 2562 4448	0865 2751 4636	189 1 19 2 38 3 57 4 76 5 95
04 05 06 07			7086 8970	7275 9158	7463	7651	$7840 \\ 9723$	6144 8028 9911 1794	8216	$\frac{8405}{0288}$	5 95 6 113 7 132 8 151 9 170
08 09 10	2358 4239 6120	$\begin{array}{c} 2546 \\ 4427 \\ 6308 \end{array}$	2734 4615 6496	2923 4804 6684	$3111 \\ 4992 \\ 6872$	3299 5180 7060	$3487 \\ 5368 \\ 7248$	3675 5556 7436	3863 5744 7624	4051 5932 7812	188 1 19 2 38
2311 12 13 14 15	9878 364 1756 3634	$\begin{array}{r} 8187 \\ \hline 0066 \\ 1944 \\ 3821 \\ 5698 \end{array}$	$0\overline{254} \\ 2132 \\ 4009$	$\frac{2320}{4197}$	$0630 \\ 2507 \\ 4384$	0817 2695 4572	$\begin{array}{c} 2883 \\ 4759 \end{array}$	$\frac{9315}{1193}$ 3070 4947 6823	$\begin{array}{c} 3258 \\ 5135 \end{array}$	1569 3446 5322	3 50 4 78 5 99 6 113 7 133 8 150
16 17 18 19 20	9260 365 1134 3007 4880	$\frac{3195}{5067}$	9635 1509 3382 5254	9823 1696 3569 5441	0010 1884 3757 5629	2071 3944 5816	$\begin{array}{c} 2258 \\ 4131 \end{array}$	$8698 \over 0572 \\ 2446 \\ 4318 \\ 6190$	$\begin{array}{c} 2633 \\ 4505 \end{array}$	$\begin{array}{c} 2820 \\ 4693 \end{array}$	9 16
2321 22 23 24 25	8622 366 0492 2361	-8809	$8996 \\ 0866 \\ 2735$	$9183 \\ 1053 \\ 2922$	9370 1240 3109	$\begin{array}{r} 9557 \\ 1427 \\ 3296 \end{array}$	9744 1614 3482		0118 1987 3856	0305 2174 4043	
26 27 28 29 30	7964 9830 367 1695	$\begin{array}{c} 6284 \\ \underline{8150} \\ 0016 \\ 1881 \\ 3746 \end{array}$	$\frac{8337}{0203} \\ 2068$	$\frac{8524}{0389}$ 2254	$\frac{8710}{0576}$ 2441	$\frac{8897}{0762} \\ 2627$	0949	$\frac{9270}{1135}$ 3000	$\overline{1322}$	$\frac{9643}{1508}$ 3373	187 1 1 2 3 3 5 4 7 5 9
2331 32 33 34 35	7285 9147 368 1009	9334	7658 9520 1381	7844 9706 1567	$8030 \\ 9892 \\ 1753$	$\begin{array}{r} 8217 \\ \hline 0078 \\ 1939 \end{array}$	$\tfrac{8403}{0264}$	$6727 \\ \underline{8589} \\ 0\overline{450} \\ 2311 \\ 4171$	$\frac{8775}{0636} \\ 2497$	$\frac{8961}{0822}$ 2683	6 11 7 13 8 15 9 16
36 37 38 39 40	6587 8445 369 0302	4914 6773 8631 0488 2344	$6959 \\ 8817 \\ 0674$	$7145 \\ 9002 \\ 0859$	7330 9188 1045	$\begin{array}{c} 7516 \\ 9374 \\ 1230 \end{array}$	$\begin{array}{c} 7702 \\ 9559 \end{array}$	6030 7888 9745 1602 3458	8074 9931 1787	$\frac{8259}{0117}$ 1973	186
2341 42 43 44 45	7723	6054 7908 9761	$6240 \\ 8094 \\ 9947$	$6425 \\ 8279 \\ \hline 0132$	$6611 \\ 8464 \\ \hline 0317$	$\frac{6796}{8650} \\ \hline 0502$	$\frac{6981}{8835}$ $\frac{6981}{0688}$	$5313 \\ 7167 \\ 9020 \\ \hline 0873 \\ 2725$	$\begin{array}{c} 7352 \\ 9205 \\ \hline 1058 \end{array}$	$\frac{9391}{1243}$	3 5 4 7 5 9 6 11 7 13 8 14
46 47 48 49	5131 6981	3465 5316 7166 9015	$5501 \\ 7351$	5686 7536	5871 7721	6056 7906	6241 8091	$4576 \\ 6426 \\ 8275$	6611	$\begin{array}{c} 6796 \\ 8645 \end{array}$	9 16

No.		0	1	2	3	4	5	6	7	8	9	Diff.
2350 51 52 53 54 55	4 6 8	526 373 219 065	2711 4558 6404	$\begin{array}{c} 2896 \\ 4742 \\ 6588 \\ 8434 \end{array}$	6773		5296 7142 8987	3635 5481 7327	3819 5666 7511 9356	7696	4189 6035 7880	185 1 19 2 37 3 56 4 74 5 93
56 57 58 59 60	3 5 7	$\frac{596}{438}$	$\begin{array}{c} 5622 \\ 7464 \end{array}$	$\begin{array}{c} 3964 \\ 5806 \end{array}$	2306 4149 5991 7832 9672	$\frac{4333}{6175}$	4517 6359 8200	$\begin{array}{c} 4701 \\ 6543 \end{array}$	$\begin{array}{c} 3043 \\ 4885 \\ 6727 \\ \underline{8568} \\ 0408 \end{array}$	$5070 \\ 6911$	$\begin{array}{c} 5254 \\ 7095 \end{array}$	6 111 7 130 8 148 9 167
2361 62 63 64 65	2 4 6	799 637 6475	6658	$3167 \\ 5005 \\ 6842$	$\begin{array}{c} 1512 \\ 3350 \\ 5189 \\ 7026 \\ 8862 \end{array}$	7210	3718 5556 7393	$\begin{array}{c} 3902 \\ 5740 \end{array}$	2247 4086 5924 7761 9597	$4270 \\ 6107 \\ 7944$	$4453 \\ 6291 \\ 8128$	184 1 18 2 37 3 55
66 67 68 69 70	3 5	$983 \\ 817 \\ 651$	$2166 \\ 4000 \\ 5834$	$2350 \\ 4184 \\ 6017$	0698 2533 4367 6201 8033	2716 4551 6384	2900 4734 6567	$\begin{array}{c} 4917 \\ 6750 \end{array}$	1432 3267 5101 6934 8766	$5284 \\ 7117$	3634 5467 7300	4 74 5 92 6 110 7 129 8 147 9 166
2371 72 73 74 75	375 1 2 4	977 807	$1330 \\ 3160 \\ 4990$	1513 3343 5173	$\begin{array}{c} 9865 \\ 1696 \\ 3526 \\ 5356 \\ 7185 \end{array}$	1879	$2062 \\ 3892 \\ 5722$	2245		2611	2794 4624 6453	183 1 18 2 37 3 55
76 77 78 79 80	376 0 2	292 2119 3944	$\frac{2301}{4127}$	0657	$\begin{array}{c} 2666 \\ 4492 \end{array}$	9195 1023 2849 4675 6499	1205 3032 4857	5040	3397	$1753 \\ 3579 \\ 5405$	$\begin{array}{c} 3762 \\ 5587 \end{array}$	4 73 5 92 6 110 7 128 8 146 9 165
2381 82 83 84 85	377 1 377 3	$ \begin{array}{r} 418 \\ 240 \\ 8063 \end{array} $	$\begin{array}{c} 9600 \\ 1423 \\ 3245 \end{array}$	$9782 \\ 1605 \\ 3427$	8141 9965 1787 3609 5430	$ \begin{array}{c} \hline{0147} \\ 1969 \\ 3791 \end{array} $	$\overline{0329} $ 2152 3973	$\begin{array}{c} 2334 \\ 4155 \end{array}$	$\begin{array}{r} 8871 \\ \hline 0694 \\ 2516 \\ 4338 \\ 6158 \end{array}$	$\frac{2698}{4520}$	$\begin{array}{c} 2880 \\ 4702 \end{array}$	182
86 87 88 89	378 0 2	3524 343 2161	8706 0525 2343	$\begin{array}{c} 0707 \\ 2525 \end{array}$	9070	$\begin{array}{c} 1071 \\ 2889 \end{array}$	$9434 \\ 1252 \\ 3070$	$\begin{array}{c} 9616 \\ 1434 \\ 3252 \end{array}$	7978 9798 1616 3434 5251	$9979 \\ 1798 \\ 3616$	$\overline{0161}$ 1980	1 18 2 36 3 55 4 73 5 91 6 109
2391 92 93 94 95	379 1	$\begin{array}{c} 612 \\ 9427 \end{array}$	7793 9608 1423	$\begin{array}{c} 7975 \\ 9790 \end{array}$	6341 8156 9971 1786 3599	$\frac{8338}{0153}$	$\tfrac{8519}{0334}$	$\tfrac{8701}{0516}$	$7067 \\ 8882 \\ \hline 0697 \\ 2511 \\ 4324$	2692	$\overline{1060}$	7 127 8 146 9 164
96 97 98 99 2400	3800	3680 3492 3302	$\begin{array}{c} 6862 \\ 8673 \\ 0484 \end{array}$	7043 8854 0665	5412 7224 9035 0846 2655	$7405 \\ 9216 \\ 1027$	7586 9397 1208	7767 9578 1389	6137 7948 9759 1570 3379	$8130 \\ 9940 \\ 1750$	$\frac{8311}{0121}$ 1931	181

No.	0	1	2	3	4	. 5	6	7	8	9	Diff.
2400 01 02 03 04 05	5730 7538	4102 5911 7718 9525	4283 6092 7899 9706	4464 6272 8080 9887	$\begin{array}{r} 4645 \\ 6453 \\ \underline{8261} \\ 0067 \end{array}$	$\begin{array}{r} 6634 \\ \underline{8441} \\ 0248 \end{array}$	$5007 \\ 6815 \\ \underline{8622} \\ 0428$	$\frac{6995}{8803} \\ \hline 0609$	5368 7176 8983	$7357 \\ 9164 \\ \hline 0970$	181 1 18 2 36 3 54 4 72 5 91 6 109
06 07 08 09 10	4761 6565 8368 382 0170		5122 6926 8729 0531	5302 7106 8909 0711	5483 7286 9089 0891	5663 7467 9269 1071	5843 7647 9450 1252	$6024 \\ 7827 \\ 9630 \\ 1432$	4400 6204 8007 9810 1612	6384 8188 9990 1792	7 127 8 145 9 163
2411 12 13 14 15	3773 5573 7373	2152 3953 5753 7553 9351	$4133 \\ 5933 \\ 7732$	4313 6113 7912	$\begin{array}{c} 4493 \\ 6293 \\ 8092 \end{array}$	$4673 \\ 6473 \\ 8272$	$4853 \\ 6653 \\ 8452$	$5033 \\ 6833 \\ 8632$	$\begin{array}{c} 3413 \\ 5213 \\ 7013 \\ \underline{8812} \\ \overline{0610} \end{array}$	5393 7193 8992	180 1 18 2 36 3 54 4 72
16 17 18 19 20	4563 6359	1149 2946 4743 6538 8333	$3126 \\ 4922 \\ 6718$	$3306 \\ 5102 \\ 6897$	$3485 \\ 5281 \\ 7077$	$3665 \\ 5461 \\ 7256$	$3844 \\ 5640 \\ 7436$	$\frac{4024}{5820}$ $\frac{7615}{615}$	2407 4204 6000 7795 9589	4383 6179 7974	5 90 6 108 7 126 8 144 9 162
2421 22 23 24 25	384 1741 3534 5326	0127 1921 3713 5505 7297	$2100 \\ 3893 \\ 5684$	$\begin{array}{c} 2279 \\ 4072 \end{array}$	$2459 \\ 4251$	$2638 \\ 4430 \\ 6222$	$\begin{array}{c} 2817 \\ 4609 \end{array}$	$2996 \\ 4789 \\ 6580$	1383 3176 4968 6759 8550	3355 5147 6938	179
26 27 28 29 30	385 0698 2487 4275	9087 0877 2666 4454 6241	$1056 \\ 2845 \\ 4633$	$\begin{array}{c} 1235 \\ 3023 \\ 4812 \end{array}$	1413 3202 4990	1592 3381 5169	$1771 \\ 3560 \\ 5348$	$\begin{array}{c} 1950 \\ 3739 \end{array}$	$03\overline{40}$ 2129 3918 5705 7492	2308 4096	1 18 2 36 3 54 4 72 5 90
2431 32 33 34 35	9636 386 1421 3206	8028 9814 1600 3384 5168	9993 1778 3563		$\begin{array}{c} \overline{0350} \\ 2135 \end{array}$	$\overline{0528} $ 2314 4098	$\begin{array}{c} 2492 \\ 4276 \end{array}$	0886 2670 4455	$\begin{array}{c} 9279 \\ \hline 1064 \\ 2849 \\ 4633 \\ 6416 \end{array}$	1243 3027 4811	6 107 7 125 8 143 9 161
36 37 38 39 40	8555 387 0337 2118	0515	8912 0693 2474	2652	9268	9446 1228 3008	9624	$9803 \\ 1584 \\ 3364$		$\overline{0159}$	178 1 18 2 36
2441 42 43 44 45	7457 9235 388 1012	5856 7634 9412 1190 2966	7812 9590 1367	7990 9768 1545	8168	$\begin{array}{c} \overline{0123} \\ 1900 \end{array}$	8524	$\begin{array}{c} \overline{0479} \\ 2256 \end{array}$	$\frac{8879}{0657}$ 2433	$7279 \\ \underline{9057} \\ 0834 \\ 2611 \\ 4387$	3 53 4 71 5 89 6 107 7 125 8 142
46 47 48 49 2450	6340 8114	$\begin{array}{c} 6517 \\ 8292 \\ \hline 0065 \end{array}$	$\frac{8469}{0243}$	$\begin{array}{c} 6872 \\ \underline{8646} \\ \overline{0420} \end{array}$	$7050 \\ 8824 \\ \hline 0597$	$\frac{9001}{0774}$	$7404 \\ 9178 \\ \hline 0952$	$\tfrac{9356}{1129}$	5985 7759 9533 1306 3079	$\frac{9711}{1484}$	9 160

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2450 51 52 53 54 55	6975	3610 5382 7153 8923	3787 5559 7330	3965 5736 7507 9276	4142 5913 7684	4319 6090 7861 9630	2724 4496 6267 8038 9807 1576	$4673 \\ 6444 \\ 8215$		$\begin{array}{c} 3256 \\ 5028 \\ 6798 \\ \underline{8569} \\ 0338 \\ 2107 \end{array}$	177 1 18 2 35 3 53
56 57 58 59 60	2284 4052 5819 7585 9351	$4228 \\ 5995 \\ 7762$	2637 4405 6172 7939 9704	$\begin{array}{c} 6349 \\ 8115 \end{array}$	$\begin{array}{c} 2991 \\ 4759 \\ 6525 \\ \underline{8292} \\ 0057 \end{array}$	4935	$\begin{array}{c} 3344 \\ 5112 \\ 6879 \\ \underline{8645} \\ \overline{0410} \end{array}$	$\begin{array}{c} 5289 \\ 7055 \end{array}$	$\begin{array}{c} 7232 \\ 8998 \end{array}$	3875 5642 7409 9175 0940	4 71 5 89 6 106 7 124 8 142 9 159
62 63 64 65	4644 6407 8169	3057 4820 6583 8345		5173 6936 8698	5349 7112 8874	9050	$7464 \\ 9226$	5878 7641 9402	6055 7817 9578	2704 4468 6231 7993 9755	
66 67 68 69 70	392 1691 3452 5211 6970	3628 5387 7145	2044 3803 5563 7321	2220 3979 5739 7497	0635 2396 4155 5914 7673	2572 4331 6090 7849	4507 6266 8024	2924 4683 6442 8200	$\begin{array}{c} 6618 \\ 8376 \end{array}$	5035 6794 8552	176 1 18 2 35 3 53 4 70
72 73 74 75	$\begin{array}{r} 3930485 \\ 2241 \\ 3997 \end{array}$	8903 0660 2417 4172 5928	$0836 \\ 2592 \\ 4348$	2768 4524 6278	1187 2944 4699 6454	1363 3119 4875	3295	1714 3470 5226	0133 1890 3646 5401 7156	3821	5 88 6 106 7 123 8 141 9 158
76 77 78 79 80	$\begin{array}{r} 9260 \\ 3941013 \\ 2765 \end{array}$	7682 9435 1188 2940 4692	$9611 \\ 1364 \\ 3116$	$\begin{array}{c} 9786 \\ 1539 \\ 3291 \end{array}$	8208 9961 1714 3466 5217	$\overline{0137}$ 1889 3641	8559 0312 2064 3816 5567	0487 2240 3991	0662 2415 4167	$\begin{array}{c} 9085 \\ \hline 0838 \\ 2590 \\ 4342 \\ 6093 \end{array}$	175
82 83 84 85	8018 9767 395 1516	$\boldsymbol{9942}$	$\frac{8368}{0117}$ 1866	$\frac{8543}{0292}$	$\begin{array}{r} 8718 \\ \hline 0467 \\ 2215 \end{array}$	$\frac{8893}{0642}$ 2390	2565			$7843 \\ 9592 \\ \hline 1341 \\ 3089 \\ 4837$	1 18 2 35 3 53 4 70 5 88
86 87 88 89 90	$\begin{array}{r} 6758 \\ 8504 \\ \hline 3960249 \end{array}$	8678	7107 8853 0598	$7282 \\ 9027$	5710 7456 9202 0947 2691	7631 9376 1121	6059 7805 9551 1296 3040	$7980 \\ 9725 \\ 1470$	$\begin{array}{c} 8155 \\ 9900 \end{array}$	$6583 \\ \underline{8329} \\ 0074 \\ 1819 \\ 3563$	6 105 7 123 8 140 9 158
92 93 94 95		$5655 \\ 7397 \\ 9139$	4086 5829 7571 9313 1054	$\begin{array}{c} 6003 \\ 7745 \end{array}$	4435 6177 7920 9661 1402	6352	$4783 \\ 6526 \\ \underline{8268} \\ 0009 \\ 1750$	6700		$5306 \\ 7049 \\ 8790 \\ \hline{0531} \\ 2272$	174 1 17 2 35 3 52
96 97 98 99 500	4185 5924 7663	2620 4359 6098 7836 9574	$\begin{array}{c} 4533 \\ 6272 \\ 8010 \end{array}$	$4707 \\ 6446 \\ 8184$	8358	$\begin{array}{c} 3316 \\ 5055 \\ 6794 \\ \underline{8531} \\ 0269 \end{array}$	8705	$\begin{array}{c} 3664 \\ 5403 \\ 7141 \\ \underline{8879} \\ \overline{0616} \end{array}$	3838 5577 7315 9053 0790	$\begin{array}{c} 4011 \\ 5750 \\ 7489 \\ \underline{9226} \\ \overline{0963} \end{array}$	4 70 5 87- 6 104 7 122 8 139 9 157

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2500 01 02 03 04 05	4608 6343		1484 3220 4956 6690	1658 3394 5129 6864	1831 3567 5302	2005 3741 5476 7210		4088 5823 7557	2526 4261 5996	2699 4435 6170 7904	
06 07 08 09 10 2511	3275 5007 6737 8467	1717 3448 5180 6910 8640	1890 3622 5353 7083 8813	3795 5526 7256 8986	2236 3968 5699 7429 9159	2409 4141 5872 7602 9332	2583 4314 6045 7775 9505	7948 9678	2929 4660 6391 8121 9851	$ \begin{array}{r} 3102 \\ 4834 \\ 6564 \\ 8294 \\ \hline 0023 \end{array} $	173 1 17 2 35
12 13 14 15 16	1925 365 3 5380	$\frac{3825}{5553}$	$\begin{array}{c} 2271 \\ 3998 \end{array}$		2616 4344 6071	$2789 \\ 4516 \\ 6243$	2962 4689 6416	1406 3134 4862 6588 8314	3307 5035 6761	$\frac{3480}{5207}$	3 52 4 69 5 87 6 104 7 121 8 138
17 18 19 20	8832 401 0557 2282 4005	9005 0730 2454 4178	9177 0902 2626 4350	9350 1075 2799 4522	9522 1247 2971 4695	9695 1420 3144 4867	9867 1592 3316 5039	0040 1764 3488 5212	$02\overline{12}$ 1937 3661 5384	0385 2109 3833 5556	9 156
2521 22 23 24 25	7451 9173 402 0894 2614	2786	7795 9517 1238 2958	$\begin{array}{c} 1410 \\ 3130 \end{array}$	8140 9861 1582 3302	$\begin{array}{r} 8312 \\ \hline 0033 \\ 1754 \\ 3474 \end{array}$	$\begin{array}{r} 8484 \\ \hline 0205 \\ 1926 \\ 3646 \end{array}$	$\begin{array}{c} \overline{0377} \\ 2098 \\ 3818 \end{array}$	$\frac{8828}{0549}$ 2270	$\begin{array}{c} \overline{0721} \\ 2442 \end{array}$	172 1 17 2 34
26 27 28 29 30	6052 7771	7942 9660	$6396 \\ 8114$	$\tfrac{8286}{0003}$	$6740 \\ 8458$	6912		5537 7255 8973 0690 2407	$\frac{9145}{0862}$	$7599 \\ 9317 \\ \hline 1034$	3 52 4 69 5 86 6 103 7 120
2531 32 33 34 35	6352 8066	4809	$\begin{array}{c} 3265 \\ 4980 \\ 6695 \\ \underline{8409} \\ \overline{0122} \end{array}$	5152	8752	$7209 \\ 8923$	7381	$\begin{array}{c} 4122 \\ 5838 \\ 7552 \\ \underline{9266} \\ \overline{0979} \end{array}$	$\begin{array}{c} 6009 \\ 7723 \end{array}$	7895 9608	8 138 9 155
36 37 38 39 40	4916 6627	$\begin{array}{c} 3376 \\ 5087 \end{array}$	$3547 \\ 5258 \\ 6969$	7140	5601 7311	$4061 \\ 5772 \\ 7482$	$4232 \\ 5943 \\ 7653$	2691 4403 6114 7824 9534	4574 6285 7995	6456	
2541 42 43 44 45	3464 5171	0218 1926 3634 5342 7049	2097	$\frac{2268}{3976}$		2610	2780 4488 6195	1243 2951 4659 6366 8072	3122		171 1 17 2 34 3 51 4 68
46 47 48 49 2550	406 0289 1994 3698	2165	$0630 \\ -2335 \\ 4039$	$0801 \\ 2506 \\ 4209$	2676 4380	4550	3017 4721	1483 3187 4891			5 86 6 103 7 120 8 137 9 154

			,								
No.	0	1	2	.3	4	5	6	7	8	9	Diff.
2550 51 52 53 54 55	8807 407 0508	7275 8977 0678 2379	$7445 \\ 9147 \\ 0848$	$\begin{array}{c} 7615 \\ 9317 \end{array}$	$\begin{array}{c} 7786 \\ 9487 \end{array}$	$7956 \\ 9658$	$8126 \\ 9828$	6594 8296 9998 1699 3399 5099	8466	$\begin{array}{r} 8637 \\ \hline 0338 \\ 2039 \\ 3739 \end{array}$	
56 57 58 59 60	5608 7307 9005 408 0703 2400	7477 9175 0873	$\begin{array}{c} 7647 \\ 9345 \end{array}$	$\begin{array}{c} 7817 \\ 9515 \end{array}$	7987 9684 1382	1551	8326	$\overline{0194}$	2060		170 1 17 2 34 3 51 4 68 5 85
2561 62 63 64 65	7486	5961 7656 9350	$\begin{array}{c} 7825 \\ 9519 \end{array}$	$6300 \\ 7994 \\ 9688$	$6469 \\ 8164 \\ 9858$	$\begin{array}{c} 8333 \\ \hline 0027 \\ 1720 \end{array}$	$6808 \\ 8503 \\ \hline 0196 \\ 1889$	$\begin{array}{r} 8672 \\ \hline 0366 \\ 2059 \end{array}$	2228	$\overline{0704}$	6 102 7 119 8 136 9 153
66 67 68 69 70	. 5950 7641	4428 6119 7810	6288	$\begin{array}{c} 4766 \\ 6458 \end{array}$	6627	5105 6796 8486		$\frac{7134}{8824}$	5612	$\begin{array}{c} 5781 \\ 7472 \end{array}$	169
2571 4 72 73 74 75	$\frac{4398}{6085}$	2878	$\begin{array}{c} 4735 \\ 6423 \end{array}$	4904	1696 3385 5073 6760 8447	3554 5242 6929	$3723 \\ 5410 \\ 7098$	2203 3891 5579 7266 8953	$\begin{array}{c} 4060 \\ 5748 \end{array}$	5917	1 17 2 34 3 51e 4 68 5 85 6 101
76 77 78 79 80	411 1144 2829 4513	.9627 1313 2998 4682 6365	3166 4850	$1650 \\ 3334 \\ 5019$	3503	1987 3671 5355	$2155 \\ 3840 \\ 5524$	0639 2324 4008 5692 7375	$\frac{2492}{4177}$	6029	7 118 8 135 9 152
2581 82 83 84 85	$\substack{9562\\4121244\\2925}$	3093		$\begin{array}{c} 1748 \\ 3429 \end{array}$	$\begin{array}{r} 8553 \\ \hline 0235 \\ 1917 \\ 3597 \\ 5277 \end{array}$	2085	$\begin{array}{c} \overline{0571} \\ 2253 \end{array}$	4101	$\begin{array}{c} \overline{0908} \\ 2589 \end{array}$	4437	168 1 17 2 34
86 87 88 89 90		9811 1488	1656	$\begin{array}{c} \overline{0146} \\ 1824 \end{array}$	$6957 \\ \underline{8636} \\ 0314 \\ 1991 \\ 3668$		2327	$7461 \\ \underline{9139} \\ 0817 \\ 2495 \\ 4171$		$7796 \\ \underline{9475} \\ 1153 \\ 2830 \\ 4507$	3 50 4 67 5 84 6 101 7 118 8 134
2591 92 93 94 95	े 8025	6518 8193 9867	$\frac{6685}{8360} \\ \frac{8360}{0035}$	$5177 \\ 6853 \\ \underline{8528} \\ 0202 \\ 1876$	$5345 \\ 7020 \\ 8695 \\ \hline 0369 \\ 2043$	$\begin{array}{c} 5512 \\ 7188 \\ 8863 \\ \hline 0537 \\ 2210 \end{array}$	$5680 \\ 7355 \\ 9030 \\ \hline 0704 \\ 2378$	$\begin{array}{c} 5847 \\ 7523 \\ 9197 \\ \hline 0872 \\ 2545 \end{array}$		$\begin{array}{c} 6182 \\ 7858 \\ \underline{9532} \\ \overline{1206} \\ 2880 \end{array}$	9 151
96 97 98 99 2600	6391 8063	3214 4887 6559 8230 9901	8397	$\begin{array}{c} 6893 \\ 8564 \end{array}$	3716 5388 7060 8731 0402	$3883 \\ 5556 \\ 7227 \\ 8898 \\ \hline 0569$	$\begin{array}{c} 4051 \\ 5723 \\ 7394 \\ \underline{9065} \\ \overline{0736} \end{array}$	$\begin{array}{c} 4218 \\ 5890 \\ 7561 \\ \underline{9232} \\ \overline{0903} \end{array}$	$\begin{array}{c} 7729 \\ 9399 \end{array}$	$\begin{array}{c} 4552 \\ 6224 \\ 7896 \\ \underline{9566} \\ 1237 \end{array}$	167

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2600 01 02 03 04 05	4742 6410		1737 3407 5075 6743	1904 3574 5242 6910	2071 3741 5409 7077	2238 3907 5576 7244	2405 4074 5743 7410	0903 2572 4241 5909 7577 9244	2739 4408 6076 7744	2906 4575 6243 7911	167 1 17 2 33 3 50 4 67 5 84
06 07 08 09 10	416 1410 3076 4741	9911 1577 3242 4907 6571	1743 3409 5074	$1910 \\ 3575 \\ 5240$	2077 3742 5407	2243 3908 5573	2410 4075 5739	$\overline{0911}$ 2576 4241 5906 7570	$2743 \\ 4408 \\ 6072$	$2909 \\ 4574 \\ 6239$	5 84 6 100 7 117 8 134 9 150
2611 12 13 14 15	9732 417 1394 3056 4717	3222 4883	0064 1726 3388 5049	0231 1893 3554 5215	0397 2059 3720 5381	$0\overline{563} \\ 2225 \\ 3886 \\ 5547$	$07\overline{29}$ 2391 4053 5713	$\begin{array}{r} 9233 \\ \hline 0895 \\ 2557 \\ 4219 \\ 5879 \\ \end{array}$	$10\overline{62}$ 2724 4385 6045	$\overline{1228}$ 2890 4551 6211	166
16 17 18 19 20	8037 9696 418 1355 3013	9862 1521 3179	$\begin{array}{r} 8369 \\ \hline 0028 \\ 1687 \\ 3344 \end{array}$	$\frac{8535}{0194} \\ 1852 \\ 3510$	$\begin{array}{r} 8701 \\ \hline 0360 \\ 2018 \\ 3676 \end{array}$	$\frac{2184}{3842}$	$\begin{array}{r} 9033 \\ \hline 0692 \\ 2350 \\ 4007 \end{array}$	$7539 \\ \underline{9199} \\ 0857 \\ 2516 \\ 4173$	$10\overline{23} \\ 2681 \\ 4339$	4505	1 17 2 33 3 50 4 66 5 83 6 100
2621 22 23 24 25	6327 7983 9638 4191293	8148 9804 1459	6658 8314 9969 1624	$6824 \\ 8480 \\ \hline 0135 \\ 1789$	$6989 \\ 8645 \\ \hline 0300 \\ 1955$	$\begin{array}{r} 7155 \\ 8811 \\ \hline 0466 \\ 2120 \end{array}$	$7321 \\ 8976 \\ \hline 0631 \\ 2286$	$\begin{array}{c} \overline{0797} \\ 2451 \end{array}$	$\frac{7652}{9307} \\ \hline 0962$	7817	7 116 8 133 9 149
26 27 28 29 30	4601 6254	3113 4766 6419 8071 9723	$\frac{4931}{6584}$	5097 6749 8401	$5262 \\ 6915 \\ 8567$	5427 7080 8732	$\begin{array}{c} 7245 \\ 8897 \end{array}$	5758	7575	$6088 \\ 7741 \\ 9392$	
2631 32 33 34 35	4509 6158	1374 3024 4674 6323 7971	3189 4838 6487	3354 5003 6652	3519 5168 6817	$3684 \\ 5333 \\ 6982$	3849 5498 7147	2364 4014 5663 7312 8960	4179 5828 7477	4344 5993	165 1 17 2 33 3 50 4 66
36 37 38 39 40	421 1101 2748 4394	9619 1266 2913 4558 6204	1431 3077 4723	1595 3242 4888	$1760 \\ 3406 \\ 5052$	1925 3571 5217	2089 3736 5381	0607 2254 3900 5546 7191	$\frac{2419}{4065}$		5 83 6 99 7 116 8 132 9 149
2641 42 43 44 45	9328 422 0972 2615	7848 9493 1136 2779 4421	9657 1300 2943	9821 1465 3107	$9986 \\ 1629 \\ 3271$	$\overline{0150} $ 1793 3436	0314 1957 3600	$\begin{array}{r} 8835 \\ \hline 0479 \\ 2122 \\ 3764 \\ 5406 \end{array}$	0643 2286 3928	0807 2450 4093	
46 47 48 49 2650	7539 9180 423 0820	8 6063 9 7703 9 9344 9 0984 9 2623	7868 9508 1147	8032 9672 1311	8196 9836 1475	$\frac{8360}{0000}$ 1639	$\begin{array}{c} \overline{0164} \\ 1803 \end{array}$	8688	$\frac{8852}{0492}$ 2131	$\begin{array}{c} 9016 \\ \hline 0656 \\ 2295 \end{array}$	164

No.	0	. 1	2	3	4	5	6	7	8	9	Diff.
2650 51 52 53 54 55	5735 7372	4261 5899 7536 9173	4425 6063 7700 9336		$4753 \\ 6390 \\ 8027$	4916 6554 8191 9827	$5080 \\ 6718 \\ 8355$	$\begin{array}{c} 3606 \\ 5244 \\ 6881 \\ \underline{8518} \\ 0154 \\ 1790 \end{array}$	5408 7045 8682	$\begin{array}{c} 5571 \\ 7209 \\ \underline{8846} \\ \overline{0482} \end{array}$	164 1 16 2 33 3 49 4 66 5 82
56 57 58 59 60	3916 5550 7183 8816	5713 7347 8980	4242 5877 7510 9143	4406 6040 7673 9306	4569 6203 7837 9469	4733 6367 8000 9633	$8163 \\ 9796$	5060 6693 8327 9959	$\tfrac{8490}{0122}$	$\begin{array}{c} 5386 \\ 7020 \\ \underline{8653} \\ 0286 \end{array}$	6 98 7 115 8 131 9 148
2661 62 63 64 65	3712 5342 6972	2244 3875 5505 7135	4038 5668 7298	2570 4201 5831 7461	4364 5994 7624	2896 4527 6157 7787	3059 4690 6320 7950	4853 6483 8113	3385 5016 6646 8276	3549 5179 6809 8439	163 1 16 2 33
66 67 68 69 70	3486 5113	0393 2021 3648 5275	2184 3811 5438	0719 2347 3974 5601	2509 4137 5763	$1044 \\ 2672 \\ 4299 \\ 5926$	2835 4462 6088	1370 2998 4625 6251	$\begin{array}{c} 4787 \\ 6414 \end{array}$	1695 3323 4950 6576	3 49 4 65 5 82 6 98 7 114 8 130
2671 72 73 74 75	427 1614 3238	3400	$\begin{array}{c} \overline{0315} \\ 1939 \\ 3563 \end{array}$	$\begin{array}{r} 8852 \\ \hline 0477 \\ 2101 \\ 3725 \end{array}$	$\frac{2264}{3887}$	$ \begin{array}{r} \hline 0802 \\ 2426 \\ 4050 \end{array} $	$\begin{array}{r} 9340 \\ \hline 0964 \\ 2588 \\ 4212 \end{array}$	$7877 \\ \underline{9502} \\ 1127 \\ 2751 \\ 4374$	$\begin{array}{c} 2913 \\ 4536 \end{array}$	$\frac{3076}{4699}$	9 147
76 77 78 79 80	6484 8106 9727 428 1348	$\begin{array}{c} 9889 \\ 1510 \end{array}$	$6808 \\ \underline{8430} \\ 0051 \\ 1672$	$6970 \\ \underline{8592} \\ 02\overline{13} \\ 1834$	5510 7133 8754 0376 1996	$7295 \\ 8917 \\ \hline 0538 \\ 2158$	$\frac{9079}{0700}$ 2320	2482	$\begin{array}{c} \overline{1024} \\ 2644 \end{array}$	$7944 \\ 9565 \\ \hline 1186 \\ 2806$	162
2681 82 83 84 85	4588 6207 7825	3130 4750 6369 7987 9605	$\begin{array}{c} 4912 \\ 6530 \end{array}$	5073 6692 8311 9928	$\frac{6854}{8472} \\ \hline 0090$	$ \begin{array}{r} 3778 \\ 5397 \\ 7016 \\ \underline{8634} \\ 0252 \end{array} $	5559	$\begin{array}{c} 4102 \\ 5721 \\ 7340 \\ \underline{8958} \\ \overline{0575} \end{array}$		6045	1 16 2 32 3 49 4 65 5 81 6 97
86 87 88 89 90	4293 5908	$\frac{2838}{4454}$	$3000 \\ 4616 \\ 6231$	$\begin{array}{c} 3162 \\ 4777 \end{array}$	1707 3323 4939 6554 8169	$\begin{array}{c} 5100 \\ 6715 \end{array}$	3646 5262 6877 8491	$\begin{array}{c} 7038 \\ 8653 \end{array}$	3969 5585 7200 8814	4131 5747 7361 8976	7 113 8 130 9 146
2691 92 93 94 95	430 0751 2364 3976	9298 0912 2525 4137 5749	$\begin{array}{c} 1073 \\ 2686 \\ 4298 \end{array}$	$1235 \\ 2847 \\ 4460$	9782 1396 3009 4621 6232	3170 4782	1718 3331 4943	0267 1880 3492 5104 6716	$2041 \\ 3653 \\ 5265$	$\begin{array}{c} 2202 \\ 3815 \end{array}$	
96 97 98 99 2700	431 0419 2029	8970 0580	$9132 \\ 0741 \\ 2351$	$\begin{array}{c} 0902 \\ 2512 \end{array}$	$9454 \\ 1063 \\ 2672$	9615 1224 2833	$\begin{array}{c} 1385 \\ 2994 \end{array}$	8326 9937 1546 3155 4763	$\begin{array}{c} 1707 \\ 3316 \end{array}$	$\begin{array}{c} 1868 \\ 3477 \end{array}$	161

No.		0	1	2	3	4	5	6	7	8	ຸ9 ⋅	Diff.
2700	431	3638	3798	3959	4120	4281	4442	4603	4763	4924	5085	
01		5246	5407	5567	5728	5889	6050	6210	6371	6532	6693	161
02		6853	7014	7175	7336	7496			7978			1 16
03	, 8	3460	8621	8782	8942	9103	9264	9424	9585	9746	9906	2 32
04	4320	0067	0227	0388	0549	0709	0870	1030	1191	1352	1512	3 48
05]	1673	1833	1994	2154	2315	2475	2636	2796	2957	3117	4 64 5 81
06	؛ ا	3278	3438	3599	3759	3920	4080	4241	4401	4562	4722	6 97
07			5043						6005			7 113
08			6647						7609			8 129
09			8250						9212			9 145
10		9693	9853	$\overline{0}\overline{0}\overline{1}\overline{3}$	$\overline{0174}$	0334	0494	$\overline{0654}$	$\overline{0815}$	0975	$\overline{1135}$	
2711	4331	1295	1455	1616	1776	1936	2096	2256	2416	2577	2737	
12			3057						4018			
13			4658						5618			
14			6258						7218			1
15			7858						8818			
1			9458						$\frac{0317}{0417}$			
16 17			1056						2015			
18			2654						3613			160
19			$\frac{2054}{4252}$						5210			1 16
20		6689			6168				6807			2 32
	_											3 48
2721			7445					8243		8562	8722	4 64
22			9041						9998			5 80
23			$\begin{array}{c} 0636 \\ 2230 \end{array}$						1593			6 96
24 25			3824					4621	3187			7 112 8 128
- 1										4940		9 144
26	-		5418						6374			- 1
27			7011									
28			8603						9558			
29			0194						1149			
30			1786	7					2740		3058	
2731			3376						4330			
32			4966						5920			159
33			6555						7509			1 16
34			8144						9097			2 32
35	, L	573	9732	9891	0050	0208	0367	0526	$\overline{0685}$	0843	1002	3 48 4 64
36			1320						2272			5 80
37			2907						3859			6 95
38			4493						5445			7 111
39			6079						7030			8 127
40	_ 7	7506	7664	7823	7981	8140	8298	8457	8615	8773	8932	9 143
2741			9249						0199			
42			0833				1466	1625	1783	1941	2100	
43			2416						3366			
44			3999						4949			
45	La	5423	5582	5740	5898	6056	6214	6373	6531	6689	6847	
46			7163						8112			
47	8	3587	8745	8903	9061	9219	4 9377	9535	9693	9851	0009	
48			0325									
		17 A PT	1005	2062	2221	9970						4 10
49 2750			3485						4432			158

9											_, _,
No.	0	1	2	3	4	5	6	7	8	9	Diff.
2750 51 52 53 54 55	6484 8062	5064 5 6642 6 8220 8 9797 9	$\begin{array}{cccc} 222 & 53 \\ 800 & 69 \\ 378 & 85 \\ 955 & \overline{01} \end{array}$	$ \begin{array}{r} 79 \\ 58 \\ \hline 35 \\ \hline 12 \end{array} $	$\begin{array}{c} 5537 \\ 7115 \\ 8693 \\ \hline 0270 \end{array}$	$\begin{array}{r} 7273 \\ 8851 \\ \hline 0428 \end{array}$	$\begin{array}{c} 5853 \\ 7431 \\ \underline{9009} \\ \overline{0585} \end{array}$	$\begin{array}{c} 6011 \\ 7589 \\ \underline{9166} \\ \overline{0743} \end{array}$	$4590 \\ 6169 \\ 7747 \\ 9324 \\ \hline 0901 \\ 2477$	$6326 \\ 7904 \\ \underline{9482} \\ 1058$	158 1 16 2 32 3 47 4 63
56 57 58 59 60	2792 4368 5943 7517	2950 3 4525 4 6100 6 7674 7 9248 9	107 32 683 48 258 64 832 79	65 40 15 89	3422 4998 6572 8147	3580 5155 6730 8304	3738 5313 6887 8461	3895 5470 7045 8619	$\begin{array}{c} 4053 \\ 5628 \\ 7202 \\ \underline{8776} \\ 0349 \end{array}$	4210 5785 7360 8933	5 79 6 95 7 111 8 126 9 142
2761 62 63 64 65	3809 5380	0821 0 2394 2 3966 4 5538 5 7108 7	551 27 123 42 695 58	08 80 52	4438 6009	$3023 \\ 4595 \\ 6166$	$3180 \\ 4752 \\ 6323$	3337 4909 6480	1922 3494 5066 6637 8208	$3652 \\ 5223 \\ 6794$	157
66 67 68 69 70	442 0092 1661 3230	8679 8 0249 0 1818 1 3386 3 4954 5	405 05 975 21 543 37	62 32 00	0719 2288 3857	$0876 \\ 2445 \\ 4014$	$\begin{array}{c} 1033 \\ 2602 \\ 4171 \end{array}$	$\begin{array}{c} 1190 \\ 2759 \\ 4327 \end{array}$	$\begin{array}{c} 9778 \\ 1347 \\ 2916 \\ 4484 \\ 6052 \end{array}$	$1504 \\ 3073 \\ 4641$	1 16 2 31 3 47 4 63 5 79 6 94
771 72 73 74 75	7932 9499 443 1065	6522 6 8089 8 9655 9 1221 1 2786 2	246 84 812 99 378 15	02 69 34	$\frac{8559}{0125}$ 1691	$\frac{8716}{0282}$ 1847	$\begin{array}{c} \overline{0438} \\ 2004 \end{array}$	$\begin{array}{r} 9029 \\ \hline 0595 \\ 2160 \end{array}$	$7619 \\ \underline{9185} \\ 0751 \\ 2317 \\ 3882$	$\begin{array}{c} 9342 \\ \hline 0908 \\ 2473 \end{array}$	7 110 8 120 9 141
76 77 78 79 80	5759 7322	4351 4 5915 6 7479 7 9042 9 0604 0	072 62 635 77 198 93	28 91 54	6384 7948 9511	6541 8104 9667	6697 8260 9823	6853 8417 9979	$5446 \\ 7010 \\ 8573 \\ \hline 0136 \\ 1698$	$\begin{array}{c} 7166 \\ 8729 \\ \hline 0292 \end{array}$	156 1 16
2781 82 83 84 85	3571 5132 6692	2166 2 3727 3 5288 5 6848 7 8408 8	883 40 444 56 004 71	40 00 60	5756 7316	$4352 \\ 5912 \\ 7472$	$\begin{array}{c} 6068 \\ 7628 \end{array}$	$4664 \\ 6224 \\ 7784$	3259 4820 6380 7940 9499	6536 8096	2 31 3 47 4 62 5 78 6 94 7 109
86 87 88 89 90	445 1370 2928 4485	$\begin{array}{c} 9967 \ \overline{0} \\ 1526 \ 1 \\ 3083 \ 3 \\ 4641 \ 4 \\ 6198 \ 6 \end{array}$	681 18 239 33 797 49	37 95 52	1993 3551 5108	$\begin{array}{c} 3706 \\ 5264 \end{array}$	$\begin{array}{c} 2305 \\ 3862 \end{array}$	$2460 \\ 4018 \\ 5575$	$2616 \\ 4174$	2772	8 128 9 140
2791 92 93 94 95	9154 446 0709 2264	7754 7 9310 9 0865 1 2419 2 3974 4	465 96 020 11 575 27	$\frac{21}{76}$	$9776 \\ 1331 \\ 2886$	1487 3041	0087 1642 3197	$\begin{array}{c} 1798 \\ 3352 \end{array}$	8843 0398 1953 3507 5061	$\frac{2109}{3663}$	
96 97 98 99 2800	6925 8477 447 0029	5527 5 7080 7 8632 8 0184 0 1735 1	235 73 788 89 339 04	90 43 94	7546 9098 0650	$\begin{array}{c} 9253 \\ 0805 \end{array}$	7856 9408 0960	8011 9563 1115		8322 9874 1425	155

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2800 01 02 03 04	468	1 3286 1 4836 1 6386	3441 4991	3596 5146 6696	3751 5301 6851	3906 5456 7006	$4061 \\ 5611 \\ 7161$	2666 4216 5766 7315 8864	$4371 \\ 5921 \\ 7470$	4526 6076 7625	155 1 16 2 31 3 47
05 06 07 08 09	397 551	7 1031 4 2579 1 4126 7 5672	$\frac{4280}{5827}$	1341 2888 4435 5981	1496 3043 4590 6136	3198 4744 6290	1805 3352 4899 6445	5054 6600	2115 3662 5208 6754	2269 3816 5363 6909	4 62 5 78 6 93 7 109 8 124 9 140
10 2811 12 13 14 15	$\begin{array}{r} 860 \\ 449 015 \\ 169 \\ 324 \end{array}$		8917 0462 2006 3550	9072 0616 2160	9226 0771 2315 3858	9381 0925 2469 4013	9535 1080 2624 4167	8145 9690 1234 2778 4321 5864	9844 1389 2932 4475	9999 1543 3087 4630	
16 17 18 19 20	632 786	7 6481 8 8023 0 9564 1 1105	6635 8177 9718	6789 8331 9872 1413	$6943 \\ \underline{8485} \\ \overline{0026} \\ 1567$	7098 8639 0180 1721	$7252 \\ \underline{8793} \\ 0334 \\ 1875$	$\begin{array}{r} 7406 \\ 8948 \\ \hline 0489 \end{array}$	$7560 \\ \underline{9102} \\ 0643 \\ 2183$	$7714 \\ \underline{9256} \\ \overline{0797} \\ 2337$	154 1 15 2 31 3 46 4 62 5 77
2821 22 23 24 25	403 557 710 864 451 018	0 5724 9 7263 7 8801	7416 8954	6032 7570 9108	6186 7724 9262	6340 7878 9416	6493 8032 9570	5108 6647 8186 9723 1261	6801 8339 9877	$\frac{6955}{8493} \\ \hline 0031$	6 92 7 108 8 123 9 139
26 27 28 29 30	479- 632	3412 4 4948	$\begin{array}{c} 5101 \\ 6636 \end{array}$	3719 5255 6790	5408	$\frac{5562}{7097}$	4180 5715	2797 4333 5869 7404 8938		4640 6176	
2831 32 33 34 35	3998	2 1086 3 2619	$\begin{array}{c} 2772 \\ 4305 \end{array}$	1393 2926 4458	1546 3079 4611	$1699 \\ 3232 \\ 4765$	1853 3385 4918	0472 2006 3539 5071 6603	$2159 \\ 3692 \\ 5224$	2312 3845 5377	153 1 15
36 37 38 39 40	8598 453 0124 1654	2 7215 3 8746 4 0277 4 1807 3 3336	8900 0430 1960	$\begin{array}{c} 0583 \\ 2113 \end{array}$	$\begin{array}{c} 0736 \\ 2266 \end{array}$	9359 0889 2419	$\begin{array}{c} 9512 \\ 1042 \\ 2572 \end{array}$		9818 1348 2878	8440 9971 1501 3030 4559	2 31 3 46 4 61 5 77 6 92 7 107
2841 42 43 44 45	6241 7769	4865 6394 7921 9449 0975	6546 8074	6699 8227 9754	$\begin{array}{c} 6852 \\ 8380 \end{array}$	$5477 \\ 7005 \\ 8532 \\ \hline 0059 \\ 1586$	$\begin{array}{c} 5629 \\ 7158 \\ \underline{8685} \\ 0212 \\ 1739 \end{array}$	$\begin{array}{c} 5782 \\ 7310 \\ \underline{8838} \\ 0365 \\ 1891 \end{array}$	$\overline{0517}$	$\begin{array}{c} 6088 \\ 7616 \\ 9143 \\ \hline 0670 \\ 2196 \end{array}$	8 122 9 138
46 47 48 49 2850	3875 5400 6924	4027 5552	5705 7229	4332 5857 7382		$6162 \\ 7687$	4790 6315 7839	3417 4942 6467 7991 9515	6620 8144	5247 6772 8296	

No.	0	1	2	3	4	5,	6	7	8	9	Diff.
2850 51 52 53 54 55	455 1495 3018 4540	0125 1647 3170 4692	$\begin{array}{c} \overline{0277} \\ 1800 \\ 3322 \end{array}$	$\overline{0429}$ 1952 3474 4996	0581 2104 3627 5148	$ 7\overline{34} 2257 3779 $	$\overline{0886}$ 2409 3931 5453	$\begin{array}{c} 9515 \\ \hline 1038 \\ 2561 \\ 4083 \\ 5605 \\ 7126 \end{array}$	$\overline{1191}$ 2713 4235 5757	1343 2865 4388 5909	
56 57 58 59 60	$\begin{array}{r} 9102 \\ 4560622 \\ 2142 \\ 3660 \end{array}$	$\begin{array}{c} 9254 \\ 0774 \\ 2293 \\ 3812 \end{array}$	$\begin{array}{c} 2445 \\ 3964 \end{array}$	$\begin{array}{c} 9558 \\ 1078 \\ 2597 \\ 4116 \end{array}$	$9710 \\ 1230 \\ 2749 \\ 4268$	$\frac{2901}{4420}$	$ \begin{array}{r} \hline 0014 \\ 1534 \\ 3053 \\ 4571 \end{array} $	$\begin{array}{r} 8646 \\ \hline 0166 \\ 1686 \\ 3205 \\ 4723 \end{array}$	$0318 \\ 1838 \\ 3357$	$0470 \\ 1990 \\ 3508$	152 1 15 2 30 3 46
2861 62 63 64 65	6696 8213 9730 4571246	6848 8365 9882 1398		$7152 \\ 8669 \\ \hline 0185 \\ 1701$	$7303 \\ 8820 \\ \hline 0337 \\ 1853$	$7455 \\ 8972 \\ \hline 0488 \\ 2004$	$\begin{array}{r} 9124 \\ \hline 0640 \\ 2156 \end{array}$	$7758 \\ \underline{9275} \\ \overline{0791} \\ 2307$	$7910 \\ 9427 \\ \hline 0943 \\ 2459$	$8062 \\ \underline{9578} \\ \overline{1095} \\ 2610$	4 61 5 76 6 91 7 106 8 122 9 137
66 67 68 69 70	4277 5791 7305 8819	4428 5943 7457 8970	3065 4580 6094 7608 9122	4731 6246 7760 9273	4883 6397 7911 9424	5034 6549 8062 9576	5186 6700 8214 9727	3822 5337 6851 8365 9878	$5489 \\ 7003 \\ \underline{8516} \\ 0029$	5640 7154 8668 0181	-%-
2871 72 73 74 75	3356 4868 6378	1996 3507 5019 6530	2147 3659 5170 6681	2298 3810 5321 6832	2449 3961 5472 6983	4112 5623 7134	2752 4263 5774 7285	2903 4414 5925 7436	4565 6076 7587	3205 4717 6227 7738	151
76 77 78 79 80	9399 459 0908 2417 3925	9550 1059 2567 4076	$2718 \\ 4226$	9851 1361 2869 4377	$ \begin{array}{r} \hline 0002 \\ 1511 \\ 3020 \\ 4528 \end{array} $	$\overline{0153}$ 1662 3171 4679	0304 1813 3322 4830	$\begin{array}{r} 8946 \\ \hline 0455 \\ 1964 \\ 3472 \\ 4980 \\ \end{array}$	$ \begin{array}{r} \hline 0606 \\ 2115 \\ 3623 \\ 5131 \end{array} $	0757 2266 3774 5282	1 15 2 30 3 45 4 60 5 76 6 91
2881 82 83 84 85	6940 8446	$\frac{7090}{8597} \\ \hline{0103}$	$5734 \\ 7241 \\ 8748 \\ \hline 0254 \\ 1759$	$\begin{array}{r} 7392 \\ 8898 \\ \hline 0404 \end{array}$	$7542 \\ 9049$	$\frac{7693}{9200} \\ \hline 0705$	$7844 \\ 9350 \\ \hline 0856$	$6488 \\ 7994 \\ \underline{9501} \\ 1007 \\ 2512$	$8145 \\ 9651 \\ \hline 1157$	$\begin{array}{c} 8296 \\ 9802 \\ \hline 1308 \end{array}$	7 106 8 121 9 136
86 87 88 89 90	4468 5972 7475 8978	4618 6122 7626 9129	9279	4919 6423 7926 9429	5070 6573 8077 9579	5220 6724 8227	5370 6874 8377	$4017 \\ 5521 \\ 7024 \\ \underline{8528} \\ 0030$	5671 7175 8678	5822 7325 8828	
2891 92 93 94 95	3484 4985 6486	2133 3634 5135 6636	2283 3785 5285 6786	2433 3935 5435 6936	2584 4085 5585 7086	$2734 \\ 4235 \\ 5736$	2884 4385	1532 3034 4535 6036 7536	$\frac{3184}{4685}$	3334 4835 6336	
96 97 98 99 2900	$\begin{array}{r} 9485 \\ 4620984 \\ 2482 \end{array}$	9635 1134 2632	8285 9785 1284 2782 4279	$9935 \\ 1433 \\ 2932$	$0085 \\ 1583 \\ 3081$	0234 1733 3231	$0384 \\ 1883 \\ 3381$	$\begin{array}{r} 9035 \\ \hline 0534 \\ 2033 \\ 3531 \\ 5028 \end{array}$	$ \begin{array}{r} \hline{0684} \\ 2183 \\ 3680 \end{array} $	$ \begin{array}{r} \hline 0834 \\ 2332 \\ 3830 \end{array} $	150

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2900 01 02 03 04 05	6974 8470	$\begin{array}{c} 5627 \\ 7124 \\ \underline{8620} \\ 0116 \end{array}$	$5777 \\ 7273 \\ 8770 \\ \hline 0265$	$5926 \\ 7423 \\ \underline{8919} \\ 0415$	$\overline{0564}$	$\begin{array}{r} 7722 \\ 9218 \\ \hline 0714 \end{array}$		$6525 \\ 8022 \\ \underline{9517} \\ 1013$	$5178 \\ 6675 \\ 8171 \\ \underline{9667} \\ 1162 \\ 2657$	$8321 \\ 9817 \\ \hline 1312$	150 1 15 2 30 3 45 4 60 5 75
06 07 08 09 10	5944 7437 8930	4600 6093 7587 9079	9228	4898 6392 7885 9378	5048 6541 8034 9527	5197 6691 8184 9676	9825	$8482 \\ 9974$	$\overline{0124}$	$\begin{array}{c} 7288 \\ 8781 \\ \hline 0273 \end{array}$	6 90 7 105 8 120 9 135
2911 12 13 14 15	3405 4895 6386	2063 3554 5045 6535	0720 2212 3703 5194 6684 8173	2361 3852 5343 6833	2510 4001 5492 6981	4150 5641 7130	2808 4299 5790 7279	2958 4448 5939 7428	4597	4746 6237 7726	149 1 15 2 30 3 45
16 17 18 19 20	9364 465 0853 2341 3829	9513 1002 2490 3977	9662 1151 2639 4126	$9811 \\ 1299$	9960 1448 2936 4423	0109 1597 3085 4572	$\begin{array}{c} \overline{0258} \\ 1746 \end{array}$	$\overline{0406}$ 1895 3382 4870	$\begin{array}{c} \overline{0555} \\ 2043 \end{array}$	0704 2192 3680 5167	4 60 5 75 6 89 7 104 8 119 9 134
2921 22 23 24 25 26	$6802 \\ 8288 \\ 9774 \\ 4661259$	6951 8437 9922 1407	$7099 \\ 8585 \\ \hline 0071$	$7248 \\ 8734 \\ \hline 0219 \\ 1704$	$7397 \\ \underline{8882} \\ 0368 \\ 1853$	$\begin{array}{r} 7545 \\ 9031 \\ \hline 0516 \end{array}$	$7694 \\ 9180 \\ \hline 0665 \\ 2149$	$7842 \\ 9328 \\ \hline 0813$	$7991 \\ \underline{9477} \\ 0962 \\ 2446$		- ,
27 28 29 30	4227 5711 7194 8676	4376 5859 7342 8824	4524 6007 7490 8973	4672 6156 7639 9121	4821 6304 7787 9269	4969 6452 7935 9417	5117 6601 8083 9565	5266 6749 8232 9714	5414 6897 8380 9862	$5562 \\ 7045 \\ 8528 \\ \hline 0010$	148
2931 32 33 34 35	3121 4601 6081	1788 3269 4749 6229	1936 3417 4897 6377	2084 3565 5045 6525	2232 3713 5193 6673	2380 3861 5341 6821	2528 4009 5489 6969	$\begin{array}{c} 5637 \\ 7117 \end{array}$	2824 4305 5785 7265	2973 4453 5933 7413	2 30 3 44 4 59 5 74 6 89 7 104
36 37 38 39 40	468 0518 1996 3473	9187 0666 2144 3621	$\begin{array}{c} 2291 \\ 3769 \end{array}$	9483 0961 2439 3916	9631 1109 2587 4064	9779 1257 2735 4212	9927 1405 2882 4360		0222 1700 3178 4655	$\overline{0370}$ 1848 3326 4803	8 118 9 133
2941 42 43 44 45	6427 7903 9378	$\begin{array}{c} 6574 \\ 8050 \end{array}$	$\begin{array}{c} 8198 \\ 9673 \end{array}$	6870	7017	$\tfrac{8640}{0116}$	$\begin{array}{c} 7312 \\ 8788 \end{array}$	5984 7460 8935 0411 1885	$\begin{array}{c} 7607 \\ 9083 \end{array}$	$\begin{array}{c} 7755 \\ 9231 \\ \hline 0706 \end{array}$	
46 47 48 49 2950	2327 3801 5275 6748 8220	3949 5422 6895	4096 5569	5717 7190	4391 5864 7337	6011	$4685 \\ 6159 \\ 7631$	6306	7926	$5127 \\ 6600 \\ 8073$	147

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2950 51 52 53 54 55	470 1164 2634 4105	9839 1311 2782 4252	$9986 \\ 1458 \\ 2929$	$\overline{0134}$ 1605 3076 4546	0281 1752 3223 4693	$\overline{0428}$ 1899 3370 4840	0575 2046 3517 4987	0722 2193 3664 5134	$\begin{array}{r} 9398 \\ \hline 0869 \\ 2340 \\ 3811 \\ 5281 \\ 6750 \\ \end{array}$	1016 2487 3958 5428	147 1 15 2 29 3 44 4 59 5 74
56 57 58 59 60	8513 9982 471 1450	$\frac{8660}{0129}$ 1596	$\frac{8807}{0275}$	$\begin{array}{r} 8954 \\ \hline 0422 \\ 1890 \end{array}$	$\begin{array}{c} \overline{0569} \\ 2037 \end{array}$	$\frac{9248}{0716}$ 2183	$\frac{9394}{0863}$ 2330	$\begin{array}{c} 9541 \\ \hline 1009 \\ 2477 \end{array}$	$\begin{array}{c} 8219 \\ \underline{9688} \\ 1156 \\ 2624 \\ 4091 \end{array}$	$\frac{9835}{1303}$ 2770	6 88 7 103 8 118 9 132
2961 62 63 64 65	5851 7317	5997 7463 8929	4677 6144 7610 9075 0540	$6290 \\ 7756 \\ 9222$	6437 7903 9368	6584 8049 9515	6730 8196 9661	6877 8342 9808	5557 7023 8489 9954 1419	$\begin{array}{c} 7170 \\ \underline{8635} \\ \overline{0101} \end{array}$	
66 67 68 69 70	3175 4639 6102	$3322 \\ 4785 \\ 6248$	2004 3468 4932 6395 7857	$3615 \\ 5078 \\ 6541$	3761 5224 6687	3907 5371 6833	$4054 \\ 5517 \\ 6980$	$4200 \\ 5663 \\ 7126$	2883 4346 5809 7272 8734	4493 5956 7418	146 1 15 2 29 3 44 4 58
2971 72 73 74 75	473 0488 1949 3410	$0634 \\ 2095 \\ 3556$	9319 0780 2241 3702 5162	0926 2387 3848	1073 2533 3994	1219 2679 4140	$1365 \\ 2825 \\ 4286$	$1511 \\ 2972 \\ 4432$	$\overline{0196}$ 1657 3118 4578 6037	1803 3264 4724	5 73 6 88 7 102 8 117 9 131
76 77 78 79 80	7788 9247 474 0705	7934 9393 0851	6621 8080 9539 0997 2454	$8226 \\ 9684 \\ 1142$	8372 9830 1288	8518 9976 1434	$\begin{array}{c} \overline{0122} \\ 1580 \end{array}$	$\frac{8809}{0268}$ 1725	$7497 \\ \underline{8955} \\ \overline{0413} \\ 1871 \\ 3328$	$\begin{array}{c} \overline{0559} \\ 2017 \end{array}$	
2981 82 83 84 85	5076 6533 7988	$5222 \\ 6678 \\ 8134$	3911 5368 6824 8279 9734	5513 6969 8425	5659 7115 8570	5805 7260 8716	$5950 \\ 7406 \\ 8861$	6096 7552 9007	$4785 \\ 6241 \\ 7697 \\ \underline{9152} \\ \overline{0607}$	6387 7843 9298	
86 87 88 89 90	3806 5259	$2498 \\ 3951 \\ 5404$	1189 2643 4097 5550 7002	$\begin{array}{c} 2788 \\ 4242 \\ 5695 \end{array}$	2934 4387 5840	3079 4533 5986	$3225 \\ 4678 \\ 6131$	$3370 \\ 4823 \\ 6276$	2061 3515 4969 6421 7874	3661 5114 6567	
2991 92 93 94 95	$\begin{array}{r} 9616 \\ 4761067 \\ 2518 \end{array}$	$\begin{array}{c} 9761 \\ 1212 \\ 2663 \end{array}$	8455 9906 1357 2808 4258	$0051 \\ 1502 \\ 2953$	$\begin{array}{c} \overline{0196} \\ 1648 \\ 3098 \end{array}$	$\frac{1793}{3243}$	$0\overline{487} \\ 1938 \\ 3388$	$ \begin{array}{r} \hline 0632 \\ 2083 \\ 3533 \\ \end{array} $	$\begin{array}{c} 9326 \\ \hline 0777 \\ 2228 \\ 3678 \\ 5128 \end{array}$	$ \begin{array}{r} \hline 0922 \\ 2373 \\ 3823 \end{array} $	145
96 97 98 99 3000	6867 8316	7012 8461 9909	$\begin{array}{c} 5708 \\ 7157 \\ \underline{8606} \\ 0054 \\ 1502 \end{array}$	$\begin{array}{c} 7302 \\ 8751 \\ \hline 0199 \end{array}$	$\begin{array}{r} 7447 \\ 8896 \\ \hline 0344 \end{array}$	$\frac{7592}{9041} \\ \hline 0489$	$\begin{array}{c} 7737 \\ 9185 \\ \hline 0633 \end{array}$	$\begin{array}{c} 7882 \\ \underline{9330} \\ \overline{0778} \end{array}$	$\begin{array}{c} 6578 \\ 8027 \\ \underline{9475} \\ \overline{0923} \\ 2371 \end{array}$	$8171 \\ 9620 \\ \hline 1068$	

No.		0	1	2	3	4	5	6	7	8	9	Diff
3000 01 02 03 04 05	477	$\frac{2660}{4107}$	2805 4252 5698 7144	$\frac{2949}{4396}$	3094 4541 5987 7433		3383 4830 6276	2081 3528 4975 6421 7867	$3673 \\ 5119 \\ 6566$	3818 5264 6710 8156	5409 6855 8300	145 1 1 2 2 3 4 4 5
06 07 08 09	478	9890 1334 2778 4222	0034 1479 2923 4366	$\overline{0179}$ 1623 3067 4511	0323 1768 3211 4655	$0468 \\ 1912 \\ 3356$	0612 2056 3500 4943	9312 0757 2201 3645 5088 6531	0901 2345 3789 5232	$\overline{1045}$ 2490 3933 5376	1190 2634 4078 5521	5 7 6 8 7 10 8 11 9 13
3011 12 13 14 15	479	7108	$7252 \\ \underline{8694} \\ 0135 \\ 1577$	$\begin{array}{r} 7396 \\ 8838 \\ \hline 0280 \end{array}$	$7540 \\ 8982 \\ \hline 0424 \\ 1865$	$7684 \\ \underline{9126} \\ 0568 \\ 2009$	$7829 \\ 9271 \\ \hline 0712 \\ 2153$	$7973 \\ \underline{9415} \\ 0856$	$8117 \\ 9559 \\ \hline 1000$	$8261 \\ 9703 \\ \hline 1144$	$8405 \\ \underline{9847} \\ 1288 \\ 2729$	144 1 1 2 2 3 4 4 5
16 17 18 19 20	480	7192	5897 7336 8775		6185 7624 9063		6473 7912 9350	5177 6617 8056 9494 0932	$\begin{array}{c} 6761 \\ 8200 \end{array}$		7048 8487	5 7 6 8 7 10 8 11 9 13
3021 22 23 24 25		$\frac{4381}{5818}$	$\begin{array}{c} 3088 \\ 4525 \end{array}$	$3232 \\ 4669 \\ 6105$	$3376 \\ 4812 \\ 6249$	4956	$3663 \\ 5100 \\ 6536$	3807 5243 6679	5387	$\begin{array}{c} 4094 \\ 5531 \end{array}$	2801 4238 5674 7110 8546	,
26 27 28 29 30	481	$\begin{array}{c} 0124 \\ 1559 \\ 2993 \end{array}$		3279	0555	$0698 \\ 2132 \\ 3566$	0842 2276 3710	$0985 \\ 2419 \\ 3853$	9694 1128 2563 3996 5429	4140	9981 1415 2849 4283 5716	
3031 32 33 34 35	482	$7292 \\ 8724 \\ 0156$	$7435 \\ 8867 \\ 0299$		7722 9154 0585		8008 9440 0871	6719 8151 9583 1015 2445	$\begin{array}{c} 9726 \\ 1158 \end{array}$	$\begin{array}{c} 9869 \\ 1301 \end{array}$	1444	
36 37 38 39 40		$4448 \\ 5878 \\ 7307$	$4591 \\ 6021 \\ 7450$	3304 4734 6164 7593 9022	4877 6307 7736	$6449 \\ 7879$	5163 6592 8021	3876 5306 6735 8164 9593	5449 6878 8307	$\begin{array}{c} 7021 \\ 8450 \end{array}$	$7164 \\ 8593$	143 1 1- 2 2: 3 4:
3041 42 43 44 45		$1592 \\ 3020 \\ 4446$	1735		2020	2163 3590 5017	2306 3733 5160	$\begin{array}{c} 1021 \\ 2449 \\ 3876 \\ 5302 \\ 6729 \end{array}$	$2591 \\ 4018 \\ 5445$	2734 4161	4304 5730	4 5: 5 7: 6 8: 7 10: 8 11: 9 12:
46 47 48 49 3050	484	8725 0150 1574	1717	$9010 \\ 0435$	2002	$\begin{array}{c} 9295 \\ 0720 \\ 2144 \end{array}$	2286	$\begin{array}{c} 9580 \\ 1004 \end{array}$	8297 9722 1147 2571	8439 9865 1289 2714	$\begin{array}{c} 8582 \\ \hline 0007 \\ 1432 \\ 2856 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3050 *51 52 53 54 55	726	2 4564 5 5988 8 7410 0 8833	4707 6130 7553 8975	4849 6272 7695 9117	4991 6414 7837 9259	5134 6557 7979	5276 6699 8121 9543	3995 5418 6841 8264 9686 1107	5561 6984 8406 9828	5703 7126 8548	
56 57 58 59 60	295- 437- 579-	3 1676 4 3096 5 4517 5 5937 4 7356	$3239 \\ 4659 \\ 6079$	3381	$\begin{array}{c} 3523 \\ 4943 \end{array}$	3665 5085 6505	3807	2528 3949 5369 6788 8208	$4091 \\ 5511 \\ 6930$	$\begin{array}{c} 4233 \\ 5653 \end{array}$	142 1 14 2 28 3 43 4 57
3061 62 63 64 65	486 005 147 288 430	0 1612 3 3029 5 4446	0336 1754 3171 4588	0477 1895 3313 4730	$\begin{array}{c} 0619 \\ 2037 \\ 3455 \\ 4872 \end{array}$	$\begin{array}{c} 3596 \\ 5013 \end{array}$	0903 2321 3738 5155	9626 1045 2462 3880 5297	2604 4021 5438	1328 2746 4163 5580	5 71 6 85 7 99 8 114 9 128
66 67 68 69 70	855- 9969 487 138-	7279 8695 0110 1525	$\frac{8837}{0252}$ 1667	$7563 \\ \underline{8978} \\ 0393 \\ 1808$	$7704 \\ \underline{9120} \\ \overline{0535} \\ 1950$	$\begin{array}{r} 9261 \\ \hline 0676 \\ 2091 \end{array}$	$7987 \\ 9403 \\ \hline 0818 \\ 2232$	$6713 \\ 8129 \\ 9544 \\ \hline 0959 \\ 2374$	$\begin{array}{c} 1101 \\ 2515 \end{array}$	$8412 \\ 9827 \\ \hline 1242 \\ 2657$	
3071 72 73 74 75	421: 562: 703: 845:	8 2940 2 4353 6 5767 9 7180 1 8592	$\begin{array}{c} 4495 \\ 5908 \\ 7321 \\ 8734 \end{array}$	4636 6050 7462 8875	6191 7604 9016	4919 6332 7745 9157	5060 6473 7886 9299	3788 5202 6615 8027 9440	5343 6756 8169 9581	5484 6897 8310 9722	
76 77 78 79 80	488 127 2686 409 550	6 2827 7 4238 7 5648	1557 2968 4379 5789	$3109 \\ 4520 \\ 5930$	1839 3251 4661 6071	1981 3392 4802 6212	2122 3533 4943 6353	0852 2263 3674 5084 6494	2404 3815 5225 6635	3956 5366 6776	141
3081 82 83 84 85	832 973 489 114	2 2692	$\begin{array}{r} 8608 \\ \hline 0017 \\ 1425 \\ 2833 \end{array}$	$\begin{array}{r} 8749 \\ \hline 0158 \\ 1566 \\ 2974 \end{array}$	$ \begin{array}{r} 0\overline{299} \\ 1707 \\ 3115 \end{array} $	$9031 \over 0440 \\ 1848 \\ 3256$	$\begin{array}{r} 9172 \\ \hline 0580 \\ 1989 \\ 3396 \end{array}$	3537	$\begin{array}{r} 9454 \\ \hline 0862 \\ 2270 \\ 3678 \end{array}$	$\begin{array}{c} 9594 \\ \hline 1003 \\ 2411 \\ 3818 \end{array}$	2 28 3 42 4 56 5 71 6 85 7 99
86 87 88 89 90	677 817 958	5 5507 3 6914 9 8320 5 9725	7054 8460 9866	$\begin{array}{c} 5788 \\ 7195 \\ \underline{8601} \\ 0006 \end{array}$	$\begin{array}{c} 5929 \\ 7335 \\ \underline{8741} \\ \overline{0147} \end{array}$	$ \begin{array}{r} 6070 \\ 7476 \\ \underline{8882} \\ \hline 0287 \end{array} $	$6210 \\ 7617 \\ 9023 \\ \hline 0428$	$\frac{9163}{0569}$	$\begin{array}{c} 6492 \\ 7898 \\ \underline{9304} \\ \overline{0709} \end{array}$	$8038 \\ \underline{9444} \\ 0850$	8 113 9 127
3091 92 93 94 95	520		$2676 \\ 4080 \\ 5484$	$2816 \\ 4220 \\ 5624$	$\begin{array}{c} 2957 \\ 4361 \end{array}$	3097 4501 5905	4642	$\begin{array}{c} 3378 \\ 4782 \end{array}$	2114 3518 4922 6326 7729		
96 97 98 99 3100	941 491 081 221	0 8150 2 9552 4 0954 6 2356 7 3757	9693 1094 2496	$9833 \\ 1235 \\ 2636$	9973 1375 2776	$0113 \\ 1515 \\ 2916$	0253 1655 3057	$\begin{array}{r} 8991 \\ \hline 0394 \\ 1795 \\ 3197 \\ 4597 \\ \end{array}$	0534 1935 3337	$\frac{2076}{3477}$,

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3100 01 02 03 04 05	6418 7818	5158 6558 7958 9357	5298 6698 8098 9497	5438 6838 8238 9637	6978 8378 9777	7118 8517 9917	$\frac{5858}{7258}$	$\begin{array}{c} 4597 \\ 5998 \\ 7398 \\ \underline{8797} \\ 0196 \\ 1595 \end{array}$	$6138 \\ 7538 \\ 8937 \\ \hline 0336$	7678 9077	140 1 14 2 28 3 42 4 56
06 07 08 09 10 3111	3413 4810 6207 7604 9000	2154 3552 4950 6347 7744 9140	3692 5090 6487 7883 9279	3832 5229 6626 8023 9419	3972 5369 6766 8162 9558	4111 5509 6906 8302 9698	4251 5648 7045 8442 9838	5788 7185 8581 9977	$4531 \\ 5928 \\ 7325 \\ 8721 \\ \hline 0117$	$4670 \\ 6068 \\ 7464 \\ 8861 \\ \hline 0256$	5 70 6 84 7 98 8 112 9 126
12 13 14 15	3186 4581	$\frac{1931}{3326}$	$2070 \\ 3465 \\ 4859$	2210 3604 4999	2349 3744 5138	$2489 \\ 3883 \\ 5278$	2628 4023 5417	1373 2768 4162 5556	2907 4302 5696	3047 4441 5835	
16 17 18 19 20	7368 8761 4940154	$\begin{array}{c} 7507 \\ 8900 \end{array}$	7647 9040 0432	7786 9179 0571	7925 9318 0711	8065 9457 0850	8204 9597 0989	6950 8343 9736 1128 2520	8483 9875 1268	$\frac{8622}{0015} \\ 1407$	
3121 22 23 24 25	4329 5720 7110 8500	3077 4468 5859 7249 8639	4607 5998 7388 8778	4746 6137 7527 8917	4885 6276 7666 9056	$5024 \\ -6415 \\ 7805$	$5164 \\ 6554 \\ 7944$	3912 5303 6693 8083 9473	$5442 \\ 6832 \\ 8222$	5581 6971 8361	139 1 14
26 27 28 29 30	495 1279 2667 4056	$ \begin{array}{r} \hline 0029 \\ 1418 \\ 2806 \\ 4194 \\ 5582 \end{array} $	$\begin{array}{c} 1557 \\ 2945 \\ 4333 \end{array}$	$\begin{array}{c} 1695 \\ 3084 \\ 4472 \end{array}$	$\begin{array}{c} 3223 \\ 4611 \end{array}$	$ \begin{array}{c} 1973 \\ 3362 \\ 4750 \\ 6137 \end{array} $	$3500 \\ 4888 \\ 6276$	2251 3639 5027 6415	3778 5166 6553	2529 3917 5305 6692	2 28 3 42 4 56 5 70 6 83 7 97
3131 32 33 34 35	8218 9604 496 0990 2375	2514	$\begin{array}{c} 8495 \\ 9881 \\ 1267 \\ 2653 \end{array}$	$\begin{array}{c} 8634 \\ \hline 0020 \\ 1406 \\ 2791 \end{array}$	$\begin{array}{r} 8772 \\ \hline 0158 \\ 1544 \\ 2930 \end{array}$	$\frac{8911}{0297}$ 1683	$\tfrac{9049}{0436}$	$7802 \\ \underline{9188} \\ 0574 \\ 1960 \\ 3345$	$\frac{9327}{0713}$	$\frac{9465}{0851}$ 2237	8 111 9 125
36 37 38 39 40	$5145 \\ 6529 \\ 7913$	3899 5284 6668 8052 9435	$5422 \\ 6806 \\ 8190$	$5560 \\ 6945 \\ 8328$	5699 7083 8467	5837 7221 8605	5976 7360 8743	$4730 \\ 6114 \\ 7498 \\ \underline{8882} \\ 0265$	$6253 \\ 7636 \\ 9020$	6391 7775 9158	
3141 42 43 44 45	$\frac{3444}{4825}$	$\begin{array}{c} 0818 \\ 2200 \\ 3582 \\ 4964 \\ 6345 \end{array}$	$2338 \\ 3720 \\ 5102$	$2476 \\ 3858 \\ 5240$	2615 3996 5378	2753 4135 5516	$2891 \\ 4273 \\ 5654$	1647 3029 4411 5792 7173	3167 4549 5930	3306 4687 6068	
46 47 48 49 3150	8967 498 0347 1727	$\begin{array}{c} 9105 \\ 0485 \end{array}$	$\begin{array}{c} 0623 \\ 2002 \end{array}$	9381 0761 2140	9519 0899 2278	8277 9657 1037 2416	8415 9795 1175 2554	8553 9933 1313 2692 4071	$\frac{8691}{0071}$ 1451 2830	$\frac{8829}{0209}$ 1589 2968	138

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3150 51 52 53 54 55	5862 7240 8617	3243 4622 6000 7377 8755 0131	4760 6138 7515 8892	4897 6275 7653 9030	5035 6413 7791 9168	5173 6551 7928 9305	5311 6689 8066 9443	$\begin{array}{c} 4071 \\ 5449 \\ 6826 \\ 8204 \\ \underline{9581} \\ \overline{0957} \end{array}$	$\begin{array}{c} 5587 \\ 6964 \end{array}$	5724 7102 8479 9856	138 1 14 2 28 3 41 4 55 5 69
56 57 58 59 60	4121 5496	1508 2883 4259 5634 7008	$3021 \\ 4396 \\ 5771$	3158 4534 5909	$3296 \\ 4671$	4809	$3571 \\ 4946 \\ 6321$	2333 3709 5084 6459 7833	3846	3984 5359 6733	6 83 7 97 8 110 9 124
$ \begin{array}{r} 3161 \\ 62 \\ 63 \\ 64 \\ 65 \end{array} $	2365 3737	9756 1129 2502 3874	9893 1267 2639 4012	$1404 \\ 2777 \\ 4149$	$ \begin{array}{r} \hline 01\overline{68} \\ 1541 \\ 2914 \\ 4286 \end{array} $	$\begin{array}{c} 1678 \\ 3051 \\ 4423 \end{array}$	0443 1816 3188 4560	$\begin{array}{c} 9207 \\ \hline 0580 \\ 1953 \\ 3325 \\ 4698 \end{array}$	2090 3463 4835	$ \begin{array}{r} \hline 0855 \\ 2227 \\ 3600 \\ 4972 \end{array} $	
66 67 68 69 70	6481 7852		6755 8126 9496 0867	6892 8263 9634 1004	7029 8400 9771 1141	7166 8537 9908 1278	$\begin{array}{c} 7303 \\ \underline{8674} \\ 0045 \\ 1415 \end{array}$	$6069 \\ 7440 \\ 8811 \\ \hline 0182 \\ 1552$	$\begin{array}{r} 7578 \\ \underline{8948} \\ \overline{0319} \\ 1688 \end{array}$	$\frac{9085}{0456} \\ 1825$	137 1 14 2 27
3171 72 73 74 75	4701 6069 7437	3469 4838 6206 7574	4974 6343 7711	3743 5111 6480 7848	5248 6617 7984	4016 5385 6753 8121	$\begin{array}{c} 4153 \\ 5522 \\ 6890 \\ 8258 \end{array}$	5659 7027 8395	4427 5796 7164 8531	5932 7301 8668	3 41 4 55 5 69 6 82 7 96 8 110
76 77 78 79 80	502 0172 1539	$\begin{array}{c} 1676 \\ 3042 \end{array}$	$0446 \\ 1812 \\ 3178$	$\begin{array}{c} 0582 \\ 1949 \end{array}$	$\begin{array}{c} 0719 \\ 2086 \\ 3452 \\ 4817 \end{array}$	$\begin{array}{c} 0856 \\ 2222 \\ 3588 \\ 4954 \end{array}$	2359 3725 5091	2495 3861 5227	$\frac{3998}{5364}$	4135 5500	9 123
3181 . 82 . 83 . 84 . 85		7138 8503 9867	$\begin{array}{r} 7275 \\ 8639 \\ \hline 0003 \end{array}$		$\begin{array}{c} 7548 \\ \underline{8912} \\ \overline{0276} \end{array}$	$\begin{array}{r} 7684 \\ \underline{9049} \\ \overline{0413} \end{array}$	$\begin{array}{c} 7821 \\ \underline{9185} \\ \overline{0549} \end{array}$	$6592 \\ 7957 \\ 9321 \\ \hline 0685 \\ 2049$	$8093 \\ 9458 \\ \hline 0822$	$\frac{8230}{9594} \\ \hline 0958$	
86 87 88 89 90	5183 6545	$\frac{3957}{5319}$	$\begin{array}{c} 5456 \\ 6818 \end{array}$	$\begin{array}{c} 5592 \\ 6954 \end{array}$	7090	$\frac{5864}{7226}$	$4638 \\ 6000 \\ 7362$	3412 4774 6137 7498 8860	$\begin{array}{c} 6273 \\ 7635 \end{array}$	5047 6409 7771	
3191 92 93 94 95	504 0629 1989 3349	$\begin{array}{c} 9404 \\ 0765 \\ 2125 \\ 3485 \\ 4845 \end{array}$	0901 2261 3621	1037 2397 3757	$1173 \\ 2533 \\ 3893$	1309 2669 4029	$1445 \\ 2805 \\ 4165$	0221 1581 2941 4301 5660	1717 3077 4437	1853 3213 4573	136
96 97 98 99 3200	7426 8785 505 0142	8920 0278	7698 9056 0414	7834 9192 0550		8106 9464 0821	$9599 \\ 0957$	7019 8377 9735 1093 2450	8513 9871 1228	1364	

No.		0	1	2	3	4	. 5	6	7	8	9	Diff.
3200 03 03 04 04	2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2857 4213 5569 6925 8280		3128 4485 5841 7196 8551	3264 4620 5976 7332 8687	3399 4756 6112 7467 8822	3535 4891 6247 7603 8958	3671 5027 6383 7738 9093	5163 6518 7874 9229	3942 5298 6654 8009 9364	4078 5434 6790 8145 9500	136 1 14 2 27 3 41 4 54 5 68
06 07 08 09	506	$0990 \\ 2344 \\ 3697$	9771 1125 2479 3833 5186	$\begin{array}{c} 1260 \\ 2614 \\ 3968 \end{array}$	$1396 \\ 2750 \\ 4103$	$\begin{array}{c} 1531 \\ 2885 \\ 4238 \end{array}$	$\begin{array}{c} 1667 \\ 3020 \\ 4374 \end{array}$	4509		$\begin{array}{c} 3426 \\ 4780 \end{array}$	$\begin{array}{c} 2208 \\ 3562 \end{array}$	6 82 7 95 8 109 9 122
3211 12 13 14 14	2 3 1 507	7755 9107 0459	6538 7891 9242 0594 1945	$8026 \\ 9378 \\ 0729$	8161 9513 0864	$8296 \\ 9648 \\ 0999$	8431 9783 1134	$9918 \\ 1269$	$\tfrac{8702}{0053}$	$\begin{array}{c} \overline{0188} \\ 1540 \end{array}$	1675	
16 17 18 19 20	3	$\begin{array}{c} 4511 \\ 5860 \\ 7210 \end{array}$	3295 4646 5995 7345 8694	$4781 \\ 6130 \\ 7480$	$4916 \\ 6265 \\ 7614$	$5051 \\ 6400 \\ 7749$	5186 6535 7884	5321 6670 8019	4106 5456 6805 8154 9503	$5590 \\ 6940 \\ 8289$	7075 8424	135 1 14 2 27 3 41
3221 22 23 24 24	508	$\begin{array}{c} 1255 \\ 2603 \end{array}$	0042 1390 2738 4085 5432	$\begin{array}{c} 1525 \\ 2873 \\ 4220 \end{array}$	$\begin{array}{c} 1660 \\ 3007 \\ 4354 \end{array}$	1794 3142 4489	1929 3277 4624	$2064 \\ 3411 \\ 4758$	3546	$2334 \\ 3681 \\ 5028$	3816 5163	4 54 5 68 6 81 7 95 8 108 9 122
26 27 28 29 30	509	7990 9335 0680	6778 8124 9470 0815 2160	$8259 \\ 9604 \\ 0949$	8393 9739 1084	$8528 \\ 9873 \\ 1218$	$\frac{8663}{0008}$ 1353	$\frac{8797}{0142}$ 1487	$\overline{0277}$	$\frac{9066}{0411}$ 1756	$\frac{9201}{0546}$ 1891	
3233 33 34 34	2 3	$4714 \\ 6057 \\ 7400$	3504 4848 6191 7534 8877	$4982 \\ 6326 \\ 7669$	5117 6460 7803	5251 6594 7937	5385 6729 8072	$5520 \\ 6863 \\ 8206$	4310 5654 6997 8340 9682	$\begin{array}{c} 5788 \\ 7132 \end{array}$	5923 7266	
30 30 30 30 40	7 3	1427 2768 4109	0219 1561 2903 4244 5584	1695 3037 4378	1829 3171 4512	1964 3305 4646	2098 3439 4780	$\begin{array}{c} 3573 \\ 4914 \end{array}$	1024 2366 3707 5048 6388	$\frac{3841}{5182}$	3975 5316	134 1 13 2 27
324: 4: 4: 4: 4:	2 3 4 511	8130 9469	6924 8264 9603 0942 2281	8398 9737 1076	8532	$\frac{8666}{0005} \\ 1344$	$\frac{8800}{0139}$ 1478	$\begin{array}{c} \overline{0273} \\ 1612 \end{array}$	$\frac{9068}{0407} \\ 1745$	$\begin{array}{c} \overline{0541} \\ 1879 \end{array}$	$\overline{0675}$	3 40 4 54 5 67 6 80 7 94 8 107
4: 4: 4: 325	7 8	4823 6160 7497 8834	3619 4957 6294 7631 8967	5090 6428 7764	5224 6561 7898	$5358 \\ 6695 \\ 8032$	5492 6829 8165	$ \begin{array}{r} 5625 \\ 6962 \\ 8299 \end{array} $		8566	6026 7363 8700	9 121

No.	0	1	2	3	4	5	6	7	8	9,	Diff.
3250 51 52 53 54 55	2841 4175	$0303 \\ 1639 \\ 2974$	0437 1772 3108 4442	0570 1906 3241 4576	$\begin{array}{c} 0704 \\ 2040 \end{array}$	0838 2173 3508 4843	0971 2307 3642 4976		1238 2574 3909 5243	1372	
56 57 58 59 60	8178 9511 513 0844	6977 8311 9644 0977 2309	8444 9777 1110	$7244 \\ 8578 \\ 9911 \\ 1243 \\ 2576$	1377	$\frac{8844}{0177}$ 1510	$7644 \\ \underline{8978} \\ 0311 \\ 1643 \\ 2975$	$\begin{array}{c} 9111 \\ \hline 0444 \\ 1776 \end{array}$	$7911 \\ \underline{9244} \\ 0577 \\ 1910 \\ 3242$	$\frac{9377}{0710}$ 2043	
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66 67 68 69 70	2820 4149	$\begin{array}{c} 0295 \\ 1624 \\ 2953 \\ 4282 \\ 5610 \end{array}$	1757 3086 4415	$1890 \\ 3219 \\ 4548$	2023 3352 4681	$\frac{3485}{4813}$	2289 3618 4946	$\begin{array}{c} 1093 \\ 2422 \\ 3751 \\ 5079 \\ 6407 \end{array}$			5 67 6 80 7 93 8 106 9 120
3271 72 73 74 75	$\begin{array}{c} 8133 \\ 9460 \\ 5150787 \end{array}$	6938 8266 9593 0919 2246	$8398 \\ 9725 \\ 1052$	8531 9858 1185	7336 8664 9991 1317 2643	1450			$\begin{array}{c} 7867 \\ \underline{9195} \\ \overline{0521} \\ 1848 \\ 3174 \end{array}$	1980	
76 77 78 79 80	7414	$\begin{array}{c} 4897 \\ 6222 \end{array}$	$\begin{array}{c} 6354 \\ 7679 \end{array}$	$5162 \\ 6487 \\ 7811$	3969 5294 6619 7944 9268	$5427 \\ 6752 \\ 8076$	5560 6884 8209			7282 8606	
3281 82 83 84 85	4031	$\begin{array}{c} 1518 \\ 2841 \end{array}$	$\begin{array}{c} 1650 \\ 2973 \\ 4296 \end{array}$	$\begin{array}{c} 1783 \\ 3106 \\ 4428 \end{array}$	4560	3370	$2180 \\ 3502 \\ 4825$	0989 2312 3635 4957 6279	1121 2444 3767 5089 6411	$\frac{3899}{5222}$	132 1 13 2 26 3 40 4 53
86 87 88 89 90	9318 517 0639	$\begin{array}{c} 8129 \\ 9450 \end{array}$	$\begin{array}{c} 9582 \\ 0903 \end{array}$	8393 9714 1035	7204 8526 9846 1167 2487	$9978 \\ 1299$	1431	$\begin{array}{c} 7601 \\ \underline{8922} \\ \overline{0243} \\ 1563 \\ 2883 \end{array}$	1695	$\begin{array}{c} \overline{0507} \\ 1827 \end{array}$	5 66 6 79 7 92 8 106 9 119
3291 92 93 94 95	4598 5917 7236	3411 4730 6049 7368 8686	$4862 \\ 6181 \\ 7500$	$4994 \\ 6313 \\ 7631$	3807 5126 6445 7763 9081	5258 6577 7895		4202 5522 6840 8159 9477	5654	7104	
96 97 98 99 3300	518 1189 2507 3823	$\overline{0004}$ 1321 2638 3955 5271	1453 2770 4086	$1585 \\ 2902 \\ 4218$	1716 3033 4350	1848 3165 4481	$1980 \\ 3297 \\ 4613$	0794 2111 3428 4745 6061	$2243 \\ 3560 \\ 4876$	2375 3692 5008	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3300 01 02 03 04 05	9086 519 0400	6587 7902 9217 0532	6718 8034 9349	6850 8165 9480 0795	6981 8297 9612 0926	7113 8428 9743 1058	5929 7245 8560 9875 1189 2503	$7376 \\ 8691 \\ \hline 0006 \\ 1320$	$7508 \\ 8823 \\ \hline 0137 \\ 1452$	$\begin{array}{r} 7639 \\ \underline{8954} \\ 0269 \\ 1583 \end{array}$	131
06 07 08 09 10	4342 5655 6968	4473 5786 7099	3291 4605 5918 7230 8542	$4736 \\ 6049 \\ 7361$	4867 6180 7493	$4999 \\ 6311 \\ 7624$	3817 5130 6443 7755 9067	5261 6574 7886	5392, 6705 8018	5524 6836 /8149	1 13 2 26 3 39 4 52 5 66 6 79
3311 12 13 14 15	$5200903 \\ 2214 \\ 3525$	$1034 \\ 2345 \\ 3656$	9854 1166 2477 3787 5097	$1297 \\ 2608 \\ 3918$	$1428 \\ 2739 \\ 4049$	1559 2870 4180	$\overline{0379}$ 1690 3001 4311 5621	1821 3132 4442	1952 3263 4573	2083 /3394 /4704	7 92 8 105 9 118
16 17 18 19 20	7455 8764 521 0073	7586 8895 0203	6407 7717 9026 0334 1642	7847 9156 0465	7978 9287 0596	$8109 \\ 9418 \\ 0727$	6931 8240 9549 0858 2166	8371 9680 0988	8502 9811 1119	8633 9942 1250	
3321 22 23 24 25	5303 6610	4127 5434 6741	2950 4258 5565 6871 8178	4388 5695 7002	4519 5826 7133	4650 5957 7263	3473 4781 6088 7394 8700	4911 6218 7525	$5042 \\ 6349 \\ 7655$	5173 6479 7786	-
26 27 28 29 30	3138	$0659 \\ 1964 \\ 3268$	9484 0789 2094 3399 4703	$0920 \\ 2225 \\ 3529$	$1050 \\ 2355 \\ 3660$	$1181 \\ 2486 \\ 3790$	0006 1311 2616 3921 5225	$1442 \\ 2747 \\ 4051$	1572 2877 4181	1703 3007 4312	120
3331 32 33 34 35	7050 8353	8483 9786	7311 8614 9916	$\frac{8744}{0047}$	$\begin{array}{r} 7571 \\ 8874 \\ \hline 0177 \end{array}$	$\frac{7702}{9005} \\ \hline 0307$	$6529 \\ 7832 \\ \underline{9135} \\ 0437 \\ 1740$	$\begin{array}{r} 7962 \\ 9265 \\ \hline 0568 \end{array}$	$8093 \\ 9395 \\ \hline 0698$	$\frac{9526}{0828}$	130 1 13 2 26 3 39 4 59 5 65
36 37 38 39 40	3562 4863 6164	$3692 \\ 4993 \\ 6294$	2521 3822 5124 6424 7725	3952 5254 6554	4083 5384 6684	4213 5514 6814	3041 4343 5644 6945 8245	$4473 \\ 5774 \\ 7075$	$4603 \\ 5904 \\ 7205$	4733 6034 7335	6 78 7 91 8 104 9 117
3341 42 43 44 45	524 0064 1364 2663	0194 1494 2793		$0454 \\ 1753 \\ 3052$	$0584 \\ 1883 \\ 3182$	$\frac{2013}{3312}$	9545 0844 2143 3442 4740	0974 2273 3572	$1104 \\ 2403 \\ 3702$	$1234 \\ 2533 \\ 3831$	
46 47 48 49 3350	6557 7854	6687 7984 9281	8114 9411	6946 8244 9540	7076 8373 9670	5908 7206 8503 9800	6038 7336	$6168 \\ 7465 \\ \underline{8762} \\ 0059$	$6298 \\ 7595 \\ 8892 \\ \hline 0189$	$\begin{array}{c} 6427 \\ 7725 \\ 9022 \\ \hline 0318 \end{array}$	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
3350 51 52 53 54 55	1	1744 3040 4336 5631	1874 3170 4465 5760		2133 3429 4724 6019	2263 3558 4854 6148	6278	2522	2651 3947 5242 6537	2781 4076 5372 6666	2911 4206 5501 6796	
56 57 58 59 60	526	$9513 \\ 0807 \\ 2100$	$\begin{array}{c} 9643 \\ 0936 \\ 2229 \end{array}$	8478 9772 1066 2359 3651	$9902 \\ 1195 \\ 2488$	$\begin{array}{c} \overline{0031} \\ 1324 \\ 2617 \end{array}$	$0160 \\ 1454 \\ 2746$	$\begin{array}{c} 8996 \\ \hline 0290 \\ 1583 \\ 2876 \\ 4168 \end{array}$	$\begin{array}{c} \overline{0419} \\ 1712 \\ 3005 \end{array}$	$ \begin{array}{r} 0548 \\ 1841 \\ 3134 \end{array} $	$ \begin{array}{r} \overline{0678} \\ 1971 \\ 3264 \end{array} $	
3361 62 63 64 65		5977 7269 8560	6106 7398 8689	$\begin{array}{c} 4944 \\ 6235 \\ 7527 \\ \underline{8818} \\ 0109 \end{array}$	6365 7656 8947	6494 7785 9076	$6623 \\ 7914 \\ 9205$	$\begin{array}{c} 5460 \\ 6752 \\ 8043 \\ \underline{9334} \\ \overline{0625} \end{array}$	$6881 \\ 8173 \\ 9463$	7010 8302 9593	$7140 \\ 8431$	129 1 13 2 26 3 39 4 52
66 67 68 69 70		2431 3721 5010	$2560 \\ 3850 \\ 5139$	1399 2689 3979 5268 6557	$2818 \\ 4108 \\ 5397$	2947 4237 5526	3076 4366 5655	1915 3205 4494 5783 7072	$3334 \\ 4623 \\ 5912$	$3463 \\ 4752 \\ 6041$	$3592 \\ 4881 \\ 6170$	5 65 6 77 7 90 8 103 9 116
3371 72 73 74 75	52 8	8876 0163 1451	$\begin{array}{c} 0292 \\ 1579 \end{array}$	7845 9133 0421 1708 2995	$\begin{array}{c} 9262 \\ 0550 \\ 1837 \end{array}$	$\begin{array}{c} 0678 \\ 1966 \end{array}$	$9520 \\ 0807 \\ 2094$	8360 9648 0936 2223 3510	$9777 \\ 1065 \\ 2352$	$9906 \\ 1193 \\ 2480$	$0035 \\ 1322 \\ 2609$	
76 77 78 79 80		5311 6596 7882	$5439 \\ 6725 \\ 8010$	4282 5568 6854 8139 9424	$5696 \\ 6982 \\ 8267$	5825 7111 8396	5954 7239 8525	4796 6082 7368 8653 9938	6211 7496 8782	6339 7625 8910	6468 7753 9039	
3381 82 83 84 85	529	$\begin{array}{c} 1736 \\ 3020 \\ 4304 \end{array}$	1864 3148 4432	0709 1993 3277 4560 5843	$2121 \\ 3405 \\ 4689$	$2250 \\ 3533 \\ 4817$	$2378 \\ 3662 \\ 4945$	$\begin{array}{c} 1222 \\ 2506 \\ 3790 \\ 5074 \\ 6356 \end{array}$	$2635 \\ 3919 \\ 5202$	2763 4047 5330	$\begin{array}{c} 2892 \\ 4175 \end{array}$	
86 87 88 89 90	530	$8152 \\ 9434 \\ 0716$	8280 9562 0844	7126 8408 9690 0972 2253	8537 9819 1100	8665 9947 1228	$\frac{8793}{0075}$ 1356	$\begin{array}{r} 7639 \\ \underline{8921} \\ \overline{0203} \\ 1485 \\ 2766 \end{array}$	$\frac{9049}{0331}$ 1613	$\frac{9178}{0459}$ 1741	$\frac{9306}{0588}$ 1869	
3391 92 93 94 95		4558 5839 7118	4686 5967 7246	3534 4814 6095 7374 8654	4943 6223 7502	5071 6351 7630	5199 6479 7758	4046 5327 6607 7886 9165	5455 6734 8014	$5583 \\ 6862 \\ 8142$	5711 6990 8270	128
96 97 98 99 3400		0955 2234 3512	1083 2362 3639	9933 1211 2489 3767 5045	1339 2617 3895	1467 2745 4023	1595 2873 4150	0444 1722 3001 4278 5556	$1850 \\ 3128 \\ 4406$	1978 3256 4534	$2106 \\ 3384 \\ 4661$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3400 01		6 6194	6322	6449	6577	6705	5556 6832	6960	5811 7088	5939 7215	128
02 03 04 05	861	$6 \overline{0023}$	$\frac{8875}{0151}$	9002	$\frac{9130}{0406}$	$\frac{9258}{0533}$	$\frac{9385}{0661}$	$8237 \\ 9513 \\ \hline 0789 \\ 2064$	$\frac{9640}{0916}$	$\frac{9768}{1044}$	1 13 2 26 3 38 4 51 5 64
-06 07 08 09 10	372 499 627	6 2574 1 3849 6 5123 0 6397 4 7671	$3976 \\ 5251 \\ 6525$	$4104 \\ 5378 \\ 6652$	$4231 \\ 5506 \\ 6780$	4359 5633 6907	4486 5760 7034	3339 4614 5888 7162 8435	4741 6015 7289	$4868 \\ 6143 \\ 7416$	6 77 7 90 8 102 9 115
3411 12 13 14 15	533 009 136 263	7 8945 0 0218 3 1490 5 2762 7 4034	$0345 \\ 1617 \\ 2890$	$0472 \\ 1745 \\ 3017$	$0599 \\ 1872 \\ 3144$	$0727 \\ 1999 \\ 3271$	0854 2126 3398	9708 0981 2254 3526 4797	1108 2381 3653	1236 2508 3780	
16 17 18 19 20	772	0 6577 1 7848 1 9118	$7975 \\ 9245$	6831.8102.9372	$6958 \\ 8229 \\ 9499$	7085 8356 9626	$7212 \\ 8483 \\ 9753$	6068 7339 8610 9880 1150	$\frac{7466}{8737} \\ \frac{8737}{0007}$	7594 8864	127
3421 22 23 24 25	280 406 533	1 1658 0 2927 9 4196 8 5464 6 6733	3054 4323 5591	3181 4450 5718	3308 4576 5845	$3435 \\ 4703 \\ 5972$	3561	2419 3688 4957 6225 7493	$3815 \\ 5084 \\ 6352$	3942	1 13 2 25 3 38 4 51 5 64 6 76
26 27 28 29 30	914 535 040 167	4 8000 1 9268 3 0535 5 1802 1 3068	$9394 \\ 0662 \\ 1928$	$\begin{array}{c} 9521 \\ 0788 \\ 2055 \end{array}$	9648 0915 2181	9775 1042 2308	$\begin{array}{c} 1168 \\ 2435 \end{array}$	$\begin{array}{r} 8761 \\ \hline 0028 \\ 1295 \\ 2561 \\ 3827 \end{array}$	$0155 \\ 1422 \\ 2688$	1548 2815	7 89 8 102 9 114
3431 32 33 34 35	5473 673 800	7 4334 3 5599 8 6865 3 8129 7 9394	5726 6991 8256	5852 7118 8382	$\begin{array}{c} 7244 \\ 8509 \end{array}$	6105 7371 8635	6232	6359 7623 8888	$5220 \\ 6485 \\ 7750 \\ \underline{9015} \\ 0279$	6612 7876 9141	-
36 37 38 39 40	3059 432	2 0658 5 1922 9 3185 2 4448 4 5711	2048 3311 4574	2174 3438 4701	2301 3564 4827	2427 3690 4953	$2553 \\ 3817 \\ 5079$	1416 2680 3943 5206 6468	$2806 \\ 4069 \\ 5332$	2932 4195 5458	
3441 42 43 44 45	8109 9370 5 37 0633	7 6973 9 8235 9 9496 1 0758 2 2018	8361 9622 0884	8487 9749 1010	$9875 \\ 1136$	$\tfrac{8739}{0001}$	$\frac{8866}{0127}$ 1388	$7730 \\ 8992 \\ \hline 0253 \\ 1514 \\ 2775$	$\frac{9118}{0379}$ 1640	$\begin{array}{c} 9244 \\ \hline 0505 \\ 1766 \end{array}$	126
46 47 48 49 3450	4413 5673 6933	3 3279 3 4539 3 5799 2 7058 4 8317	4665 5924 7184	4791 6050 7310	4917 6176 7436	5043 6302 7561	5169 6428 7687	4035 5295 6554 7813 9072	5421 6680 7939	5547 6806 8065	

No	. 0	1	2	3	4	5	G	7	0	0	Diff.
No.			- V	_		5	6		8	9	וווע.
3450 51 52 53 54	538 0708 1966	$\begin{array}{c} 9575 \\ 0834 \end{array}$	9701 0959 2017	9827	9953 1211 2469	$\begin{array}{c} \overline{0079} \\ 1337 \end{array}$	2720	$\begin{array}{c} \overline{0330} \\ 1588 \end{array}$	$0456 \\ 1714 \\ 2972$	$0582 \\ 1840 \\ 3098$	126 1 13 2 25 3 38
55 56 57	4481 5737 6994	4606 5863 7119	4732 5989 7245	4858 6114 7371	4983 6240 7496	5109 6366 7622	5235 6491 7747	5360 6617 7873	5486 6743 7999	5612 6868 8124	4 50 5 63 6 76 7 88 8 101
58 59 60 3461	$9506 \\ 5390761 \\ 2016$	$9631 \\ 0887 \\ 2141$	$1012 \\ 2267$	$9882 \\ 1138 \\ 2392$	$ \begin{array}{r} 8752 \\ \hline 0008 \\ 1263 \\ 2518 \\ \hline 2772 \\ \end{array} $	$ \begin{array}{r} 0\overline{133} \\ 1389 \\ 2643 \end{array} $	2769	$\begin{array}{c} \overline{0384} \\ 1640 \\ 2894 \end{array}$	$ \begin{array}{r} \overline{0510} \\ 1765 \\ 3020 \end{array} $	$ \begin{array}{r} \overline{0635} \\ 1891 \\ 3145 \end{array} $	9 113
62 63 64 65	4525 5779 7032	$4650 \\ 5904 \\ 7158$	$\begin{array}{c} 4776 \\ 6030 \\ 7283 \end{array}$	6155	3772 5027 6280 7534	$5152 \\ 6406 \\ 7659$	4023 5277 6531 7784 9037	$\begin{array}{c} 6656 \\ 7910 \end{array}$	$\boldsymbol{6782}$	5653 6907 8160	125 1 13 2 25 3 38
66 67 68 69 70	$\begin{array}{r} 9538 \\ 5400791 \\ 2043 \\ 3295 \end{array}$	$\begin{array}{c} 9664 \\ 0916 \\ 2168 \\ 3420 \end{array}$	9789 1041 2293 3545	9914 1167 2419 3670	$ \begin{array}{r} \hline 0039 \\ 1292 \\ 2544 \\ 3795 \end{array} $	$0\overline{165}$ 1417 2669 3920	$ \begin{array}{r} 0\overline{290} \\ 1542 \\ 2794 \\ 4046 \end{array} $	0415 1667 2919 4171	$ \begin{array}{r} 0540 \\ 1793 \\ 3044 \\ 4296 \end{array} $	0666 1918 3170 4421	4 50 5 63 6 75 7 88 8 100 9 113
3471 72 73 74 75	8298 9548	$8423 \\ 9673$	6047 7298 8548 9798	$8673 \\ 9923$	5047 6297 7548 8798 0048	$\frac{7673}{8923} \\ \hline{0173}$		$\frac{9173}{0423}$	$\begin{array}{c} 8048 \\ \underline{9298} \\ \overline{0548} \end{array}$	$\begin{array}{c} 8173 \\ \underline{9423} \\ \overline{0673} \end{array}$	
76 77 78 79 80	4544	$\begin{array}{c} 2172 \\ 3421 \end{array}$	$2297 \\ 3546 \\ 4794$	$\frac{2422}{3670}$	1297 2546 3795 5044 6292		$\begin{array}{c} 2796 \\ 4045 \\ 5293 \end{array}$	$\begin{array}{c} 2921 \\ 4170 \end{array}$	$\begin{array}{c} 4295 \\ 5543 \end{array}$	3171 4419 5668	
3481 82 83 84 85	$\begin{array}{r} 8288 \\ 9535 \\ 5420781 \\ 2028 \end{array}$	$\begin{array}{c} 9659 \\ 0906 \\ 2152 \end{array}$	$\begin{array}{c} 1031 \\ 2277 \end{array}$	8662 9909 1155 2402	$\begin{array}{c} 1280 \\ 2526 \end{array}$	$\begin{array}{c} 1405 \\ 2651 \end{array}$	$\begin{array}{c} 9036 \\ \hline 0283 \\ 1529 \\ 2775 \end{array}$	$\begin{array}{c} 1654 \\ 2900 \end{array}$	$\begin{array}{c} 1779 \\ 3025 \end{array}$	$\begin{array}{r} 9410 \\ \hline 0657 \\ 1903 \\ 3149 \end{array}$	
86 87 88 89 90	4519 5765 7010 8254	4644 5889 7134 8379	$\begin{array}{c} 7259 \\ 8503 \end{array}$	4893 6138 7383 8628	$\begin{array}{c} 7508 \\ 8752 \end{array}$	6387 7632 8876	$\begin{array}{c} 5267 \\ 6512 \\ 7756 \\ 9001 \end{array}$	$6636 \\ 7881 \\ 9125$	5516 6761 8005 9250	6885 8130 9374	
3491 92 93 94 95	543 0742 1986 3229	$\begin{array}{c} 0867 \\ 2110 \end{array}$	$\begin{array}{c} 2235 \\ 3478 \end{array}$	$\begin{array}{c} 1115 \\ 2359 \end{array}$	9996 1240 2483 3726 4969	$\overline{0120}$ 1364 2607 3850 5093	$\begin{array}{c} 1488 \\ 2732 \\ 3975 \end{array}$	$\begin{array}{c} 2856 \\ 4099 \end{array}$	0494 1737 2980 4223 5466	4348	
96 97 98 99 3500	6956 8198	9564	7205 8446 9688	6087 7329 8571 9812 1053	9936	0060	7701	$\frac{9067}{0308}$	$\begin{array}{c} 7950 \\ \underline{9191} \\ \overline{0432} \end{array}$	$8074 \\ \underline{9315} \\ \overline{0556}$	124

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
3500 01 02 03 04 05	3161 4401 5641	2045 3285 4525 5765	2169 3409	2293 3533 4773 6013	2417 3657 4897 6137	2541 3781 5021 6261	1425 2665 3905 5145 6385 7624	$\begin{array}{c} 2789 \\ 4029 \\ 5269 \\ 6508 \end{array}$	$\begin{array}{c} 2913 \\ 4153 \\ 5393 \\ 6632 \end{array}$	3037 4277 5517- 6756	124 1 12 2 25 3 37 4 50
06 07 08 09 10	8119 9358 545 0596 1834	8243 9481 0720 1957	8367 9605	8491 9729 0967 2205	8615 9853 1091 2329	8738 9977 1215 2452	$\begin{array}{r} 8862 \\ \hline 0101 \\ 1339 \\ 2576 \\ 3813 \end{array}$	$\begin{array}{r} 8986 \\ \hline 0224 \\ 1462 \\ 2700 \end{array}$	$\begin{array}{c} 9110 \\ \hline 0348 \\ 1586 \\ 2824 \end{array}$	$\begin{array}{c} 9234 \\ \hline 0472 \\ 1710 \\ 2947 \end{array}$	5 62 6 74 7 87 8 99 9 112
3511 12 13 14 15	5545 6781 8018 9253	6905 8141 9377	5792 7029 8265 9500	5916 7152 8388 9624	7276 8512 9747	6163 7400 8635 9871	6287 7523 8759 9995	$6411 \\ 7647 \\ \underline{8883} \\ \overline{0118}$	$7770 \\ 9006 \\ \hline 0242$	$6658 \\ 7894 \\ \underline{9130} \\ 0365$	
16 17 18 19 20	2958 4193 5427	1847 3082 4316 5550	1971 3205 4439 5673	2094 3329 4563 5797	2218 3452 4686 5920	2341 3576 4810 6043	6167	2588 3822 5056 6290	2711 3946 5180 6414	2835 4069 5303 6537	
3521 22 23 24 25	7894 9126 547 0359 1591	8017 9250 0482 1714	1838	8263 9496 0729 1961	8387 9620 0852 2084	8510 9743 0975 2207	7400 8633 9866 1098 2330	8757 9989 1222 2454	$\begin{array}{r} 8880 \\ \hline 0113 \\ 1345 \\ 2577 \end{array}$	$\frac{9003}{0236} \\ 1468 \\ 2700$	•
26 27 28 29 30	4055 5286 6517	$4178 \\ 5409 \\ 6640$	3069 4301 5532 6763 7993	4424 5655 6886	4547 5778 7009	4670 5901 7132 8362	3562 4793 6024 7255 8485	4916 6147 7378 8608	5040 6270 7501 8731	5163 6394 7624 8854	
3531 32 33 34 35	548 0207 1436 2665	$0330 \\ 1559 \\ 2788$	$9223 \\ 0453 \\ 1682 \\ 2911 \\ 4140$	0576 1805 3034	$0699 \\ 1928 \\ 3157$	0822 2051 3280 4508		1068 2297 3526 4754	1191 2420 3648 4877	1313 2543 3771 5000	123 1 12 2 25
36 37 38 39 40	6351 7578	6473 7701 8928	6596 7824 9051	6719 7947 9174	8069 9296	$8192 \\ 9419$	5859 7087 8315 9542 0769	7210 8437 9665	$8560 \\ 9787$	8683 9910	3 37 4 49 5 62 6 74 7 86 8 98
3541 42 43 44 45	2486 3712 4937	2608 3834 5060	1505 2731 3957 5182 6407	2853 4079 5305	2976 4202 5427	3099 4324 5550	1995 3221 4447 5672 6897	3344 4569 5795	$3466 \\ 4692 \\ 5917$	3589 4815 6040	9 111
46 47 48 49 3550	8612 9836 550 1060	8734 9959 1182	0081 1305	$8979 \over 0203 \\ 1427$	$7877 \\ 9102 \\ \hline 0326 \\ 1549 \\ 2773$	$\frac{9224}{0448}$ 1672	$8122 \\ \underline{9346} \\ 0570 \\ 1794 \\ 3017$	$\frac{9469}{0693}$ 1917	$\frac{9591}{0815}$ 2039	$\frac{9714}{0938}$ 2161	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
51		3629	3751	3874	3996	4118	3017 4240	4363	4485	4607	
52. 53		4852d		5096 6319			$5463 \\ 6685$		5708 6930		
54		7296					7907				122
55	8396	8518	8640	8763	8885	9007	9129	9251	9373	9495	1 12
56	9618	9740	9862	9984	$\overline{0106}$	$\overline{0228}$	$\overline{0350}$	$\overline{04}\overline{7}\overline{2}$	$\overline{\bf 0594}$	$\overline{0717}$	2 24 3 37
57	551 0839						1571				4 49
- 58		$2181 \\ 3402$					$2792 \\ 4012$				5 61 6 73
59 60		4622					5232				6 73 7 85
3561		5842					6451		6695		8 98
62		7061					7671				9 110
63	8158	8280	8402	8524	8646		8890		9133	9255	
64		9499					$\overline{0108}$				
65	552 0595			0961			1326			1692	
66		1935			2301	2422		2666			
67 68		$\frac{3153}{4370}$					$\frac{3762}{4979}$		4005	4127	
69		5587			5952		6196			6561	
70	0 . 0 .	6804			7169		7412			7777	1
3571	7899	8020	8142	8263	8385	8507	8628	8750	8871	8993	
72		9236			9601		9844				
73	5530330						1059				1
74 75		$\begin{array}{c} 1667 \\ 2882 \end{array}$					$\frac{2275}{3489}$		2517		
76 77		4097 531 1	4218		4461 5675	4582 5796	4704 5918		4947 6161	$5068 \\ 6282$	
78		6525					7132				
79		7738					8345				
80	8830	8952	9073	9194	9315	9437	9558	9679	9801	992 2	
3581	554 0043				$\boldsymbol{0528}$		0771	0892	1013		
82	1256				1741		1983	2104			İ
83 . 84		$2589 \\ 3801$			4165	$\frac{3074}{4286}$	$\frac{3195}{4407}$		$\frac{3438}{4649}$		
85		5013			5376		5618				
86	6103	6224	6345	6466	6587	6708	6829		7072		
87		7435		7677	7798		8040				
88		8645					9251		9493		
89		9856				0340	0461				121
90	555 0944						1670				1 12
$\frac{3591}{92}$		$\frac{2275}{3484}$		2517	2638	2759		3001			2 24
93		4693			5056		$\frac{4089}{5297}$		$\frac{4330}{5539}$		3 36 4 48
94	5781	5902	6022	6143		6385	6506	6627	6747	6868	5 61
95	6989	7110	7231	7351	7472	7593	7714	7835			6 73 7 85
96		8318					8921	9042	9163		8 97
97		9525					$\overline{0129}$				9 109
98 99	556 0612	$\begin{array}{c} 0732 \\ 1939 \end{array}$			1094	$\frac{1215}{2422}$	$1336 \\ 2542$	$\frac{1456}{2663}$	$1577 \\ 2784$		
3600		3146					3749				

No.	0	1.	2	3	4	5	6	7	8	9	Diff.
3600 01 02 03 04 05	5437 6643 7848	3146 4352 5558 6763 7968 9173	4472 5678 6884 8089	4593 5799 7004 8209	4714 5919 7125 8330	4834 6040 7245 8450 9655	4955 6160 7366 8571 9775	7486 78691 9896	$5196 \\ 6402 \\ 7607 \\ 8812 \\ \hline 0016$	35317 56522 77727 78932. 0137	
06 07 08 09 10	2665 3869	0378 1582 2786 3989 5192	1702 2906 4109	$1823 \\ 3026 \\ 4230$	$1943 \\ 3147 \\ 4350$	2063 3267 4470	2184 3387 4591	1100 2304 3508 4711 5914	$2425 \\ 3628 \\ 4831$	2545 3748 4952	
3611 12 13 14 15 16 17 18 19	7477 8680 9881 5581083 2284 3485 4686 5886	8800 0002 1203 2404 3605 4806 6006	$\begin{array}{c} 7718 \\ 8920 \\ \hline 0122 \\ 1323 \\ 2524 \\ 3725 \\ 4926 \\ 6126 \end{array}$	$7838 9040 \hline 0242 1443 2645 3845 5046 6246$	$\begin{array}{c} 7958 \\ \underline{9160} \\ 0362 \\ 1564 \\ 2765 \\ 3965 \\ 5166 \\ 6366 \end{array}$	8079 9281 0482 1684 2885 4085 5286 6486	8199 9401 0602 1804 3005 4205 5406 6606	$\begin{array}{c} 9521 \\ \hline 0723 \\ 1924 \\ 3125 \\ 4325 \\ 5526 \\ 6726 \end{array}$	8439 9641 0843 2044 3245 4446 5646 6846	8559 9761 0963 2164 3365 4566 5766 6966	
20 3621 22 23 24 25	8285 9484 559 0683 1882	7206 8405 9604 0803 2002 3200	8525 9724 0923 2122	8645 9844 1043 2241	8765 9964 1163 2361	$\frac{8885}{0084}$ 1283 2481	$\begin{array}{c} 9005 \\ \hline 0204 \\ 1403 \\ 2601 \end{array}$	$7925 \\ \underline{9125} \\ \overline{0324} \\ 1522 \\ 2721 \\ 3919$	$\begin{array}{r} 9245 \\ \hline 0444 \\ 1642 \\ 2840 \end{array}$	$\begin{array}{r} 9365 \\ \hline 0563 \\ 1762 \\ 2960 \end{array}$	100
26 27 28 29 30	5476 6673 7870	4398 5595 6792 7989 9186	$5715 \\ 6912 \\ 8109$	5835 7032 8229	5954 7152 8348	6074 7271 8468	6194 7391 8588	5116 6314 7511 8707 9904	$6433 \\ 7630 \\ 8827$	6553 7750 8947	120 1 12 2 24 3 36 4 48 5 60 6 72
3631 32 33 34 35	2654 3849 5044	1578 2774 3969 5164	1698 2893 4088 5283	1817 3013 4208 5403	1937 3132 4327 5522	2056 3252 4447 5641	2176 3371 4566 5761	1100 2295 3491 4686 5880	2415 3610 4805 6000	2534 3730 4925 6119	7 84 8 96 9 108
36 37 38 39 40	7433 8627 9821 561 1014		$7672 \\ 8866 \\ \hline 0059 \\ 1252$	$7791 \\ 8985 \\ \hline 0179 \\ 1372$	$7911 \\ \underline{9104} \\ \overline{0298} \\ 1491$	$8030 \\ 9224 \\ \hline 0417 \\ 1610$	$8149 \\ \underline{9343} \\ \overline{0537} \\ 1730$	$7075 \\ 8269 \\ 9463 \\ \hline 0656 \\ 1849$	$8388 \\ \underline{9582} \\ \overline{0775} \\ 1968$	$\begin{array}{r} 8508 \\ \underline{9701} \\ 0895 \\ 2088 \end{array}$	
3641 42 43 44 45	3399 4592 5784 6975	2326 3519 4711 5903 7094	3638 4830 6022 7214	3757 4949 6141 7333	3876 5069 6260 7452	3996 5188 6380 7571	4115 5307 6499 7690	3042 4234 5426 6618 7809	4353 5545 6737 7928	4472 5665 6856 8048	119
46 47 48 49 3650	$\begin{array}{r} 9358 \\ 5620548 \\ 1739 \end{array}$	8286 9477 0667 1858 3048	9596 0786 1977	9715 0905 2096	9834 1024 2215	9953 1144 2334	$0072 \\ 1263 \\ 2453$	$\begin{array}{c} 9000 \\ \hline 0191 \\ 1382 \\ 2572 \\ 3761 \end{array}$	0310 1501 2691	$ \begin{array}{r} \hline 0429 \\ 1620 \\ 2810 \end{array} $	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3650 51 52 53 54 55	5308 6497 7685	3048 4237 5427 6616 7804 8993	4356 5546 6734 7923	4475 5664 6853 8042	.4594 5783 6972 8161	4713 5902 7091 8280	4832 6021 7210 8398	3761 4951 6140 7329 8517 9705	5070 6259 7448 8636	5189 6378 7567 8755	119 1 12 2 24 3 36 4 48 5 60
56 57 58 59 60 3661	2437 3624 4811 5997	1368 2556 3743 4930 6116	1487 2674 3861 5048 6235	1606 2793 3980 5167 6353	1725 2912 4099 5285 6472	1843 3031 4218 5404 6590	1962 3149 4336 5523 6709	$\begin{array}{c} 0893 \\ 2081 \\ 3268 \\ 4455 \\ 5641 \\ 6828 \end{array}$	2200 3387 4574 5760 6946	3505 4692 5879 7065	6 71 7 83 8 95 9 107
62 63 64 65 66	8369 9555 564 0740	7302 8488 9673 0858 2043	8606 9792 0977	8725 9910 1095	$\frac{8843}{0029} \\ 1214$	$\begin{array}{r} 8962 \\ \hline 0147 \\ 1332 \end{array}$	$\frac{9081}{0266}$ 1451	8013 9199 0384 1569 2754	$\begin{array}{c} 9318 \\ \hline 0503 \\ 1688 \end{array}$	$\begin{array}{c} 9436 \\ \hline 0621 \\ 1806 \end{array}$	
67 68 69 70	3109 4293 5477 6661	3228 4412 5595 6779	3346 4530 5714 6897	3464 4648 5832 7016	3583 4767 5951 7134	3701 4885 6069 7252	3820 5004 6187 7371	3938 5122 6306 7489	4056 5240 6424 7607	4175 5359 6542 7726	
73671 72 73 74 75	9027 565 0209 1392 2573	1510 2692	$\begin{array}{c} 9263 \\ 0446 \\ 1628 \\ 2810 \end{array}$	$\begin{array}{c} 9382 \\ 0564 \\ 1746 \\ 2928 \end{array}$	9500 0682 1864 3046	9618 0800 1983 3164	$\begin{array}{c} 9736 \\ 0919 \\ 2101 \\ 3282 \end{array}$	8672 9855 1037 2219 3401	9973 1155 2337 3519	$ \begin{array}{r} \hline 0091 \\ 1273 \\ 2455 \\ 3637 \end{array} $	
76 77 78 79 80	4936 6117 7298 8478	3873 5054 6235 7416 8596	5173 6353 7534 8714	5291 6471 7652 8832	5409 6590 7770 8950	5527 6708 7888 9068	5645 6826 8006 9186	4582 5763 6944 8124 9304	5881 7062 8242 9422	5999 7180 8360 9540	118
3681 82 83 84 85	566 0838 2017 3196 4375	2135 3314 4493	1074 2253 3432 4611	1192 2371 3550 4728	1310 2489 3668 4846	1428 2607 3786 4964	1545 2725 3903 5082	0484 1663 2843 4021 5200	1781 2960 4139 5318	1899 3078 4257 5435	1 12 2 24 3 35 4 47 5 59 6 71
86 87 88 89 90	$\begin{array}{r} 6731 \\ 7909 \\ 9087 \\ 5670264 \end{array}$	0381	6967 8145 9322 0499	7085 8262 9440 0617	7203 8380 9557 0734	7320 8498 9675 0852	7438 8616 9793 0970	6378 7556 8733 9911 1087	$7674 \\ 8851 \\ \hline 0028 \\ 1205$	$7791 \\ \underline{8969} \\ \overline{0146} \\ 1323$	7 83 8 94 9 106
3691 92 93 94 95	2617 3793 4969 6144	1558 2735 3911 5086 6262	2852 4028 5204 6379	2970 4146 5322 6497	3087 4263 5439 6615	3205 4381 5557 6732	3323 4499 5674 6850	2264 3440 4616 5792 6967	3558 4734 5909 7085	3675 4851 6027 7202	
96 97 98 99 3700	8495 9669 568 0843	7437 8612 9787 0961 2135	8729 9904 1078	$\frac{8847}{0021}$ 1196	$\frac{8964}{0139}$ 1313	$\frac{9082}{0256}$ 1430	$\frac{9199}{0374}$ 1548	$8142 \\ \underline{9317} \\ 0491 \\ 1665 \\ 2839$	$\begin{array}{c} 9434 \\ \hline 0608 \\ 1782 \end{array}$	$\frac{9552}{0726}$ 1900	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3700 01 02 03 04 05	6710	3308	3426 4599 5772 6944	3543 4716 5889 7062	3660 4833 6006 7179	3778 4951 6123 7296	$\begin{array}{c} 3895 \\ 5068 \end{array}$		$\begin{array}{c} 4130 \\ 5303 \end{array}$	4247 5420 6593 7765	
06 07 08 09 10	$\begin{array}{r} 9054 \\ 5690226 \\ 1397 \\ 2568 \\ 3739 \end{array}$	9171 0343 1514 2685 3856	9289 0460 1631 2803 3973	9406 0577 1749 2920 4090	9523 0694 1866 3037 4207	$9640 \\ 0812 \\ 1983 \\ 3154$	9757 0929 2100 3271	9874 1046 2217 3388 4558	9992 1163 2334 3505	$\overline{0109}$ 1280 2451 3622	,
3711 12 13 14 15	6080 7249 8419 9588		6314 7483 8653 9822	6431 7600 8770 9939	$\begin{array}{c} 6548 \\ 7717 \\ 8887 \\ \hline 0056 \end{array}$	$6665 \\ 7834 \\ \underline{9004} \\ 0173$	$6782 \\ 7951 \\ \underline{9121} \\ 0290$	$5729 \\ 6899 \\ 8068 \\ \underline{9237} \\ \overline{0406}$	$7016 \\ 8185 \\ \underline{9354} \\ 0523$	$7133 \\ 8302 \\ \underline{9471} \\ 0640$	117 1 12 2 23 3 35
16 17 18 19 20	3094 4262 5429	2042 3211 4379 5546	2159 3327 4495 5663	2276 3444 4612 5780	2393 3561 4729 5896	2510 3678 4846 6013	2627 3795 4962 6130	1575 2743 3911 5079 6247	2860 4028 5196 6363	2977 4145 5313 6480	4 47 5 59 6 70 7 82 8 94 9 105
3721 22 23 24 25	7764 8930 571 0097 1263	1379	7997 9164 0330 1496	8114 9280 0447 1613	8230 9397 0563 1729	8347 9514 0680 1846	8464 9630 0796 1962	7414 8580 9747 0913 2079	8697 9863 1030 2195	8814 9980 1146 2312	
26 27 28 29 30	4759 5924 7088	3710 4876 6040 7205	3827 4992 6157 7321	5109 6273 7438	4060 5225 6390 7554	4177 5341 6506 7670	4293 5458 6623 7787	3244 4410 5574 6739 7903	4526 5691 6855 8020	4643 5807 6972 8136	
3731 32 33 34 35	9416 572 0580 1743		$9649 \\ 0813 \\ 1976$	9765 0929 2092	9882 1045 2208	$9998 \\ 1162 \\ 2325$	$0\overline{115} \\ 1278 \\ 2441$	$\begin{array}{r} 9067 \\ \hline 0231 \\ 1394 \\ 2557 \\ 3720 \end{array}$	0347 1511 2674	0464 1627 2790	
36 37 38 39 40	6393 7555	$\begin{array}{c} 5347 \\ 6509 \end{array}$	5463 6625 7787	$\begin{array}{c} 6742 \\ 7903 \end{array}$	5696 6858 8019	5812 6974 8135	5928 7090 8252	4882 6044 7206 8368 9529	6161 7322 8484	7438 8600	116 1 19 2 23 3 38
3741 42 43 44 45	573 1038 2198 3358	9993 1154 2314 3474 4634	1270 2430 3590	1386 2546 3706	1502 2662 3822	1618 2778 3938	1734 2894 4054	0690 1850 3010 4170 5330	1966 3126 4286	2082 3242 4402	4 44 5 58 6 70 7 83 8 93 9 10
46 47 48 49 3750	6837 7996	8112 9270	7069 8228 9386	7185 8343 9502	7301 8459 9618	7416 8575 9734	7532 8691 9849	6489 7648 8807 9965 1123	$\begin{array}{r} 7764 \\ 8923 \\ \hline 0081 \end{array}$	$\begin{array}{c} 7880 \\ 9039 \\ \hline 0197 \end{array}$	

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3750 51 52 53 54 55	2628 3786 4943	0428 1586 2744 3901 5058 6215	1702 2860 4017 5174	1818 2976 4133 5290	1934 3091 4248	2050 3207 4364 5521	2165 3323 4480 5637	2281 3438 4596	2397 3554 4711 5868	2513 3670 4827	
56 57 58 59 60	8412 9568 575 0723	7371 8528 9683 0839 1994	8643 9799 0954	8759 9914 1070	$\frac{8874}{0030}$	$\tfrac{8990}{0146}$	$\begin{array}{c} \frac{9105}{0261} \\ 1416 \end{array}$		9337	9452	
3761 62 63 64 65	4188 5342 6496 7650	7765	4419 5573 6727 7881	4534 5688 6842 7996	4650 5804 6958 8111	4765 5919 7073 8227	4881 6035 7188 8342	3842 4996 6150 7304 8457	5111 6265 7419 8573	522 7 6381 7534 8688	
66 67 68 69 70	$\begin{array}{r} 9956 \\ 5761109 \\ 2261 \end{array}$	$8918 \over 0071 \\ 1224 \\ 2377 \\ 3529$	0187 1339 2492	$\begin{array}{c} \overline{0302} \\ 1455 \\ 2607 \end{array}$		$ \begin{array}{r} 0533 \\ 1685 \\ 2837 \end{array} $	1800	$\begin{array}{c} 9610 \\ \hline 0763 \\ 1916 \\ 3068 \\ 4220 \end{array}$	$\begin{array}{c} 2031 \\ 3183 \end{array}$	$0994 \\ 2146 \\ 3298$	115
3771 72 73 74 75	5717 6868 8019	4680 5832 6983 8134 9285	5947 7098 8249	$6062 \\ 7213 \\ 8364$	6177 7328 8479	$6292 \\ 7444 \\ 8594$	$6408 \\ 7559 \\ 8709$	5371 6523 7674 8824 9975	$6638 \\ 7789 \\ 8939$	6753 7904 9055	1 12 2 23 3 35 4 46 5 58 6 69
76 77 78 79 80	2620 3769	0435 1585 2734 3884 5033	$1700 \\ 2849 \\ 3999$	1815 2964 4114	$1930 \\ 3079 \\ 4229$	$2045 \\ 3194 \\ 4343$	$2160 \\ 3309 \\ 4458$	1125 2275 3424 4573 5722	$2390 \\ 3539 \\ 4688$	$\begin{array}{c} 2505 \\ 3654 \end{array}$	7 81 8 92 9 104
3781 82 83 84 85	7215 8363	6182 7330 8478 9626 0774	$7445 \\ 8593 \\ 9741$	7560 8708 9856	7675 8823 9970	7789	$\begin{array}{r} 7904 \\ 9052 \\ \hline 0200 \end{array}$			$\overline{0544}$	
86 87 88 89 90	2953 4100	1921 3068 4214 5361 6507	$3182 \\ 4329 \\ 5475$	3297 4444 5590	$\frac{3412}{4558}$	3526 4673 5819	$3641 \\ 4788 \\ 5934$	2609 3756 4902 6048 7194	$\frac{3870}{5017}$	$3985 \\ 5131 \\ 6278$	
3791 92 93 94 95	9828 579 0973	8798 9943	$\begin{array}{c} \overline{0057} \\ 1202 \end{array}$	1317	$\frac{9141}{0286}$ 1431	$\frac{9256}{0401}$ 1546	$\frac{9370}{0515}$	$\begin{array}{r} 8340 \\ \underline{9485} \\ 0630 \\ 1774 \\ 2919 \end{array}$	$\frac{9599}{0744}$	9714	
96 97 98 99 3800	4406 5550 6698	3376 4520 5664 6807 57950	4635 5778 6922	4749 5893 7036	4863 6007 7150	$4978 \\ 6121 \\ 7264$	5092 6236 7379	5207 6350 7493	5321 6464 7607	4292 5435 6579 7722 8864	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3800 01 02 03 04 05	$\begin{array}{r} 580\ 0121 \\ 1263 \\ 2405 \end{array}$	/9093	9207- 0350- 1492 2633	9321 0464 1606 2748	$\begin{array}{c} 9436 \\ 0578 \\ 1720 \\ 2862 \end{array}$	$\begin{array}{c} 9550 \\ 70692 \\ 1834 \end{array}$	9664 0806 1948 3090	$\begin{array}{c} 9778 \\ 0921 \\ 2063 \\ 3204 \end{array}$	9893 1035 2177 3318	$ \begin{array}{r} 0007 \\ 1149 \\ 2291 \\ 3472 \end{array} $	
06 07 08 09 10	5829 6969 8110	4802 5943 7083 8224 9364	6057 7197 8338	6171 7312 8452	$\begin{array}{c} 7426 \\ 8566 \end{array}$	5258 6399 7540 8680 9820	6513 7654 8794	$\begin{array}{c} 6627 \\ 7768 \\ 8908 \end{array}$	6741 7882 9022	6855 7996 9136	
3811 12 13 14 15	581 0389 1529 2668 3807 4945	1643 2782 3921	1757 2896 4035	1871	$\begin{array}{c} 1985 \\ 3124 \\ 4262 \end{array}$	0959 2099 3238 4376 5515	$2212 \\ 3351 \\ 4490$	$2326 \\ 3465 \\ 4604$	3579 4718	2554 3693 4832	
16 17 18 19 20	$7222 \\ 8359$	$\begin{array}{c} 8473 \\ 9610 \end{array}$	7449 8587 9724	9838	$7677 \\ 8814 \\ 9951$	$\begin{array}{c} 6653 \\ 7790 \\ 8928 \\ \hline 0065 \\ 1202 \end{array}$	$\begin{array}{c} 7904 \\ \underline{9042} \\ \overline{0179} \end{array}$	$8018 \\ \frac{9155}{0293}$	$\begin{array}{c} 6994 \\ 8132 \\ \underline{9269} \\ 0406 \\ 1543 \end{array}$	$\begin{array}{c} 8245 \\ 9383 \\ \hline 0520 \end{array}$	114 1 11 2 23 3 34 4 46
3821 22 23 24 25	2907 4043 5179	1884 3020 4157 5292 6428	$3134 \\ 4270 \\ 5406$	3248 4384 5520	3361 4497 5633	3475 4611 5747	$3589 \\ 4725 \\ 5860$	$3702 \\ 4838 \\ 5974$	2680 3816 4952 6087 7223	$3929 \\ 5065 \\ 6201$	5 57 6 68 7 80 8 91 9 103
26 27 28 29 30	\$585 9719 583 0854	9833	8812 9946 1081	$\frac{\overline{0}\overline{0}\overline{6}\overline{0}}{1194}$	$\frac{9039}{0173}$ 1307	$\frac{9152}{0287}$	$\begin{array}{c} 9265 \\ \hline 0400 \\ 1534 \end{array}$	$\frac{9379}{0513}$ 1648	$8358 \\ \underline{9492} \\ \overline{0627} \\ 1761 \\ 2895$	$\frac{9606}{0740}$ 1874	,
3831 32 33 34 35	$\begin{array}{c} 5388 \\ 6521 \end{array}$	$\begin{array}{c} 4368 \\ 5501 \end{array}$	$4482 \\ 5615 \\ 6748$	$4595 \\ 5728 \\ 6861$	4708 5841 6974	5955	$4935 \\ 6068 \\ 7201$	5048 6181 7314	4028 5162 6295 7427 8560	5275 6408 7540	
36 37 38 39 40	$584 \frac{9918}{1050} \\ 2181$		$ \begin{array}{r} 0\overline{144} \\ 1276 \\ 2407 \end{array} $	$ \begin{array}{r} 0258 \\ 1389 \\ 2520 \end{array} $	$\begin{array}{c} \overline{0371} \\ 1502 \\ 2634 \end{array}$	1615 2747	$0597 \\ 1729 \\ 2860$	$07\overline{10} \\ 1842 \\ 2973$	$\begin{array}{c} 9692 \\ \hline 0823 \\ 1955 \\ 3086 \\ 4217 \end{array}$	2068 3199	
3841 42 43 44 45	5574 6704	4556 5687 6817 7947 9076	5800 6930 8060	5913 7043 8173	6026 7156 8286	6139 7269	6252 7382 8512	$\begin{array}{c} 7495 \\ 8625 \end{array}$	6478 7608 8738	7721 8850	
46 47 48 49 3850	585 0093 1222 2351 3479	0206 1335 2463	0319 1448 2576 3705	0432 1561 2689 3818	0544 1673 2802 3930	0657 1786 2915 4043	0770 1899 3028 4156	0883 2012 3141 4269	0996 2125 3253	1109 2238 3366 4494	

No.	. 0	1	2	3	4	5	6	7	8	9	Diff.
3850 51 52 53 54 55	6863 7990	5848 6976 8103 9230	5961 7088 8216 9342	6073 7201 8328 9455	6186 7314 8441 9568	6299 7426 8554 9681	5284 6412 7539 8666 9793 0920	6525 7652 8779 9906	$6637 \\ 7765 \\ \underline{8892} \\ \overline{0019}$	$6750 \\ 7877 \\ 9004$	113 1 11 2 23 3 34
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66 67 68 69 70	3742 4865 5987 7110	2731 3854 4977 6100 7222	3966 5089 6212 7334	5201 6324 7446	3068 4191 5314 6436 7559	$5426 \\ 6549 \\ 7671$	4416 5538 6661 7783	5651 6773 7895	4640 5763 6885 8007	4752 5875 6997 8120	
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76 77 78 79 80	4958 6078 7198	3950 5070 6190 7310 8429	$5182 \\ 6302 \\ 7422$	5294 6414 7534	$\begin{array}{c} 6526 \\ 7646 \end{array}$	5518 6638 7758	$\begin{array}{c} 5630 \\ 6750 \end{array}$	$\begin{array}{c} 6862 \\ 7981 \end{array}$	5854	$\begin{array}{c} 7086 \\ 8205 \end{array}$	1 11 2 22 3 34 4 45 5 56 6 67
3881 82 83 84 85	589 0555 1674 2792	9548 0667 1786 2904 4022	0779 1898 3016	$0891 \\ 2009 \\ 3128$	$1003 \\ 2121 \\ 3239$	$\frac{1115}{2233}$	1227	$\begin{array}{c} 2457 \\ 3575 \end{array}$	$\begin{array}{c} 1450 \\ 2569 \\ 3687 \end{array}$	2680	7 78 8 90 9 101
86 87 88 89 90	6145 7263 8379	5140 6257 7374 8491 9608	$6369 \\ 7486 \\ 8603$	$6481 \\ 7598 \\ 8714$	6592 7709 8826	$7821 \\ 8938$	$\begin{array}{c} 5698 \\ 6816 \\ 7933 \\ \underline{9049} \\ 0166 \end{array}$	$8044 \\ 9161$	$8156 \\ 9273$	7151 8268 9384	
3891 92 93 94 95	2844 3959	0724 1840 2956 4071 5186	$1951 \\ 3067 \\ 4183$	$2063 \\ 3179 \\ 4294$	$2175 \\ 3290 \\ 4406$	2286 3402 4517	1282 2398 3513 4629 5744	$\frac{3625}{4740}$			
96 97 98 99 3900	7304 8418	6301 7415 8530 9644 0757	7527 8641 9755	7638 8753 9866	7750 8864 9978	$\overline{0089}$		$\frac{9198}{0312}$	7081 8196 9310 0423 1537	$\tfrac{9421}{0535}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3900 -01 -02 -03 -04 -05	2873 3986 5098	1871	1982 3095 4208 5321	2093 3207 4319 5432	2205 3318 4431 5543	2316 3429 4542 5654	2427 3540 4653 5765	$\begin{array}{c} 2539 \\ 3652 \\ 4764 \\ 5877 \end{array}$	2650 3763 4876	2761 3874 4987 6099	-
06 07 08 09 10	$\begin{array}{r} 8434 \\ 9546 \\ 5920657 \end{array}$	7434 8545 9657 0768 1879	$8656 \\ 9768 \\ 0879$	$8768 \\ 9879 \\ 0990$	8879 9990 1101	$\frac{8990}{0101}$ 1212	$\begin{array}{c} 9101 \\ \hline 0212 \\ 1323 \end{array}$	$\frac{9212}{0323}$ 1434	$\begin{array}{r} 8212 \\ \underline{9323} \\ \overline{0434} \\ 1545 \\ 2656 \end{array}$	$\frac{9434}{0546}$ 1656	111 1 11 2 22
3911 12 13 14 15	3988 5098 6208	2989 4099 5209 6319 7429	$4210 \\ 5320 \\ 6430$	4321 5431 6541	$4433 \\ 5542 \\ 6652$	4544 5653 6763	$4655 \\ 5764 \\ 6874$	4766 5875 6985	3766 4876 5986 7096 8205	4987 6097 7207	3 33 4 44 5 56 6 67 7 78 8 89
16 17 18 19 20	5930644 1753	9647	$\begin{array}{c} 0866 \\ 1974 \end{array}$	$9868 \\ 0977 \\ 2085$	$9979 \\ 1088 \\ 2196$	$ \begin{array}{r} \overline{0090} \\ 1199 \\ 2307 \end{array} $	$0201 \\ 1309 \\ 2417$	$0312 \\ 1420 \\ 2528$	$\begin{array}{r} 9314 \\ \hline 0423 \\ 1531 \\ 2639 \\ 3747 \end{array}$	$ \begin{array}{r} 0533 \\ 1642 \\ 2750 \end{array} $	9 100
3921 22 23 24 25	5076 6183	7401	$\begin{array}{c} 5297 \\ 6404 \end{array}$	$5408 \\ 6515 \\ 7622$	5519 6626 7733	5630 6737 7843	$5740 \\ 6847 \\ 7954$	$5851 \\ 6958 \\ 8065$	4854 5962 7069 8175 9282	6072 7179 8286	
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36 37 38 39 40	2757 3860	0661 1764 2867 3970 5072	$1875 \\ 2978 \\ 4080$	$1985 \\ 3088 \\ 4191$	$2095 \\ 3198 \\ 4301$	2206 3308 4411	$2316 \\ 3419 \\ 4521$	$2426 \\ 3529 \\ 4632$	1434 2537 3639 4742 5844	2647 3750 4852	
3941 42 43 44 45	7166 8268	6175 7276 8378 9479 0580	7387 8488 9589	7497 8598 9699	7607 8708 9810	7717 8818 9920	$\begin{array}{c} 7827 \\ \underline{8929} \\ \overline{0030} \end{array}$	$\frac{7937}{9039} \\ \hline{0140}$	$6946 \\ 8047 \\ \underline{9149} \\ 0250 \\ 1351$	$\begin{array}{c} 8158 \\ \underline{9259} \\ 0360 \end{array}$	
46 47 48 49 3950	2671 3771 4871	2781 3881 4981	2891 3991 5091	3001 4101 5201	3111 4211 5311	3221 4321 4321 5421 6521	3331 4431 5531	3441 4541 5641	3551 4651 5751	3661 4761 5861	Ī.

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3950 51 52 53 54 55	8169 9268 597 0367	7180 8279 9378 0476	$7290 \\ 8389 \\ 9488$	7400 8499 9598 0696	7510 8609 9708 0806	7620 8719 9817 0916	6631 7730 8829 9927 1026 2124	$7840 \\ \underline{8939} \\ 0037 \\ 1135$	$\begin{array}{c} 7950 \\ \underline{9048} \\ 0147 \\ 1245 \end{array}$	$\begin{array}{c} 8059 \\ \underline{9158} \\ 0257 \\ 1355 \end{array}$	110 1 11
56 57 58 59 60	3661 4758 5855	$3770 \\ 4868 \\ 5965$	$\begin{array}{c} 2782 \\ 3880 \\ 4977 \\ 6074 \\ 7171 \end{array}$	$3990 \\ 5087 \\ 6184$	4099 5197 6294	$4209 \\ 5306 \\ 6403$	3221 4319 5416 6513 7610	$\begin{array}{c} 4429 \\ 5526 \\ 6623 \end{array}$	$\begin{array}{c} 4538 \\ 5636 \\ 6733 \end{array}$	$4648 \\ 5745 \\ 6842$	2 22 3 33 4 44 5 55 6 66 7 77
3961 62 63 64 65	$5980241\\1336$	$\begin{array}{c} 9254 \\ 0350 \\ 1446 \end{array}$	9364	$9474 \\ 0569 \\ 1665$	$9583 \\ 0679 \\ 1775$	9693 0789 1884	8706 9802 0898 1994 3089	$9912 \\ 1008 \\ 2103$	$0022 \\ 1117 \\ 2213$	$0131 \\ 1227 \\ 2322$	8 88 9 99
66 67 68 69 70	$4622 \\ 5717 \\ 6811$	$\begin{array}{c} 4731 \\ 5826 \\ 6920 \end{array}$	3746 4841 5936 7030 8124	$4950 \\ 6045 \\ 7139$	$5060 \\ 6154 \\ 7249$	$5169 \\ 6264 \\ 7358$	4184 5279 6373 7467 8561	$5388 \\ 6483 \\ 7577$	$5498 \\ 6592 \\ 7686$	$5607 \\ 6702 \\ 7796$	
3971 72 73 74 75	$\begin{array}{r} 5990092 \\ 1186 \\ 2279 \end{array}$	$0202 \\ 1295 \\ 2388$	9218 0311 1404 2497 3590	$0420 \\ 1514 \\ 2606$	$0530 \\ 1623 \\ 2716$	$\frac{1732}{2825}$	9655 0748 1841 2934 4027	$0858 \\ 1951 \\ 3044$	$0967 \\ 2060 \\ 3153$	$1076 \\ 2169 \\ 3262$	
76 77 78 79 80	5556 6648 7739	5665 6757 7849	5774 6866 7958	5884 6975 8067	4901 5993 7084 8176 9267	6102 7194 8285	5119 6211 7303 8394 9485	6320 7412 8503	$6429 \\ 7521 \\ 8612$	$6539 \\ 7630 \\ 8722$	
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86 87 88 89 90	6462 7551 8640	6571 7660 8749	6680 7769 8858	6789 7878 8967	5809 6898 7987 9076 0164	7007 8096 9185	$8205 \\ 9294$	7225 8314 9402	$8423 \\ 9511$	7443	109 1 11 2 22 3 33
3991 92 93 94 95	2993 4081	2014 3102 4189	2123 3211 4298	2232 3319 4407	1253 2340 3428 4516 5603	$2449 \\ 3537 \\ 4624$	$\frac{3646}{4733}$	$2667 \\ 3754 \\ 4842$	2776 3863 4950	$2884 \\ 3972$	4 44 5 55 6 65 7 76 8 87 9 98
96 97 98 99 4000	6255 7341 8428	6363 7450 8537 9623	6472 7559 8645 9731	6581 7667 8754 9840	.6690 7776 8862 9948	$\begin{array}{c} 6798 \\ 7885 \\ 8971 \\ \hline 0057 \end{array}$	6907 7993 9080	7016 8102 9188 0274	$7124 \\ 8211 \\ \underline{9297} \\ 0383$	$7233 \\ 8319 \\ \underline{9405} \\ 0491$	

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06 07 08 09 10 4011 12 13 14 15	8193 9277 603 0361 1444 2527 3609 4692 5774	8302 9385 0469 1552 2635 3717 4800 5882	7326 8410 9494 0577 1660 2743 3826 4908 5990 7072	8519 9602 0686 1769 2851 3934 5016 6098	8627 9711 0794 1877 2960 4042 5124 6206	8735 9819 0902 1985 3068 4150 5233 6315	8844 9927 1010 2093 3176 4259 5341 6423	7868 8952 0036 1119 2202 3284 4367 5449 6531 7613	$\begin{array}{c} 9060 \\ \hline 0144 \\ 1227 \\ 2310 \\ 3393 \\ 4475 \\ 5557 \\ 6639 \\ \end{array}$	$\begin{array}{c} 9169 \\ \hline 0252 \\ 1335 \\ 2418 \\ 3501 \\ 4583 \\ 5665 \\ 6747 \\ \end{array}$	108 1 11 2 22 3 32 4 43 5 54 6 65
16 17 18 19 20	7937 9018 604 0099 1180	8045 9126 0207 1288	$8153 \\ 9235$	8261 9343 0424 1504	8370 9451 0532 1612	8478 9559 0640 1720	8586 9667 0748 1828	8694 9775 0856 1936 3017	8802 9883 0964 2044	8910 9991 1072 2152	7 76 8 86 9 97
4021 22 23 24 25	4421 5500 6580	$4529 \\ 5608 \\ 6688$	3557 4637 5716 6796 7875	$4745 \\ 5824 \\ 6903$	4853 5932 7011	4961 6040 7119	$5068 \\ 6148 \\ 7227$	4097 5176 6256 7335 8414	$5284 \\ 6364 \\ 7443$	5392 6472 7551	
26 27 28 29 30	9816 605 0895 1973	$9924 \\ 1002 \\ 2080$	$\begin{array}{c} 1110 \\ 2188 \end{array}$	0140 1218 2296	0248 1326 2404	$\begin{array}{r} 9277 \\ \hline 0355 \\ 1434 \\ 2512 \\ 3589 \end{array}$	$0463 \\ 1541 \\ 2619$	1649 2727	0679 1757 2835	0787 1865 2943	7
4031 32 33 34 35	5205 6282 7359	5313 6390 7467	4343 5421 6498 7574 8651	$5528 \\ 6605 \\ 7682$	5636 6713 7790	5744 6821 7897	5851 6928 8005	4882 5959 7036 8112 9189	6067 7144 8220	$6175 \\ 7251 \\ 8328$	•
36 37 38 39 40	606 0587 1663 2739	$0695 \\ 1771 \\ 2846$	9727 0803 1878 2954 4029	0910 1986 3061	1018 2093 3169	$\begin{array}{c} 1125 \\ 2201 \end{array}$	$\begin{array}{c} 1233 \\ 2308 \\ 3384 \end{array}$	0265 1340 2416 3491 4566	$\begin{array}{c} 1448 \\ 2523 \\ 3599 \end{array}$	1556 2631 3706	
4041 42 43 44 45	5963 7037 8111	6071 7145 8219	$6178 \\ 7252 \\ 8326$	6285 7360 8434	7467 8541	6500 7574	6608; 7682; 8756	5641 6715 7789 8863 9937	6823 7897 8971	6930 8004 9078	•
46 47 48 49 4050	3478	1439 2512 3585	1547 2620 3692	1654 2727 3800	1761 2834 3907	1869	1976 3049 4121	2083 3156 4229	2190 3263 4336	2298 3371 4443	107

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4050 51 52 53 54 55	$\frac{6694}{7766}$	5730 6802 7873 8945	$\begin{array}{c} 4765 \\ 5837 \\ 6909 \\ 7980 \\ \underline{9052} \\ \overline{0123} \end{array}$	5944 7016 8087 9159	6051 7123 8195 9266	6158 7230 8302 9373	6266 7337 8409 9480	$\begin{array}{c} 5301 \\ 6373 \\ 7445 \\ 8516 \\ \underline{9587} \\ 0658 \end{array}$	6480 7552 8623 9694	6587 7659 8730 9801	107 1 11 2 21 3 32 4 43 5 54
56 57 58 59 60 4061 62	3120 4191 5260 6330	2157 3227 4298 5367 6437	1194 2264 3334 4404 5474 6544 7613	2371 3441 4511 5581 6651	2478 3548 4618 5688 6758	2585 3656 4725 5795 6865	2692 3763 4832 5902 6972	1729 2799 3870 4939 6009 7078 8148	2906 3977 5046 6116 7185	3013 4084 5153 6223 7292	6 64 7 75 8 86 9 96
63 64 65 66 67 68	8468 9537 609 0605 1674 2742	8575 9644 0712 1781 2849	$8682 \\ 9751$	8789 9858 0926 1994 3062	8896 9964 1033 2101 3169	$\begin{array}{c} 9003 \\ \hline 0071 \\ 1140 \\ 2208 \\ 3276 \end{array}$	$\begin{array}{c} 9110 \\ \hline 0178 \\ 1246 \\ 2315 \\ 3382 \end{array}$	$\begin{array}{c} 9216 \\ \hline 0285 \\ 1353 \\ 2421 \\ 3489 \\ 4557 \\ \end{array}$	$\begin{array}{c} 9323 \\ \hline 0392 \\ 1460 \\ 2528 \\ 3596 \end{array}$	$\begin{array}{r} 9430 \\ \hline 0499 \\ 1567 \\ 2635 \\ 3703 \end{array}$,
69 70 4071 72 73 74	4877 5944 7011 8078 9144 610 0210	4984 6051 7118 8184 9251 0317	5090 6157 7224 8291 9357 0423	5197 6264 7331 8398 9464 0530	5304 6371 7438 8504 9571 0637	5411 6478 7544 8611 9677 0743	5517 6584 7651 8718 9784 0850	5624 6691 7758 8824 9890 0956	5731 6798 7864 8931 9997 1063	$5837 \\ 6904 \\ 7971 \\ \underline{9037} \\ 0104 \\ 1170$	
75 76 77 78 79 80	2342 3407 4472 5537 6602	2448 3514 4579 5644 6708	1489 2555 3620 4685 5750 6815	$2661 \\ 3727 \\ 4792 \\ 5856 \\ 6921$	2768 3833 4898 5963 7027	2874 3940 5005 6069 7134	2981 4046 5111 6176 7240	2022 3088 4153 5218 6282 7347	3194 4259 5324 6389 7453	3301 4366 5431 6495 7560	
4081 82 83 84 85 86	8730 9794 611 0857 1921 2984	8836 9900 0964 2027 3090	$1070 \\ 2133 \\ 3196$	$\begin{array}{c} 9049 \\ \hline 0113 \\ 1176 \\ 2240 \\ 3302 \end{array}$	$\begin{array}{c} 9156 \\ \hline 0219 \\ 1283 \\ 2346 \\ \hline 3409 \end{array}$	$\begin{array}{r} 9262 \\ \hline 0326 \\ 1389 \\ 2452 \\ 3515 \end{array}$	$\begin{array}{r} 9368 \\ \hline 0432 \\ 1495 \\ 2558 \\ 3621 \end{array}$	$8411 \\ \underline{9475} \\ 0538 \\ 1602 \\ 2665 \\ 3728$	$\begin{array}{r} 9581 \\ \hline 0645 \\ 1708 \\ 2771 \\ 3834 \end{array}$	$\begin{array}{c} 9687 \\ \hline 0751 \\ 1814 \\ 2877 \\ \hline 3940 \\ \end{array}$	
87 88 89 90 4091 92	5109 6171 7233 8295	5215 6277 7339 8401	4259 5321 6384 7445 8507 9569	5428 6490 7552 8613	5534 6596 7658 8719	5640 6702 7764 8826	5746 6808 7870 8932	7976	5959 7021 8082 9144	6065 7127 8189 9250	106
93 94 95 96 97 98	2539 3599 4660	$ \begin{array}{r} 1584 \\ 42645 \\ 3706 \\ 4766 \end{array} $	1691 2751 3812 4872	1797 2857 3918 4978	1903 2963 4024	2009 3069 4130 5190	2115 3175 4236	3281 4342 5402	2327 3387 4448	2433 3493 4554 5614	1 11 2 21 3 32 4 42 5 53 6 64 7 74 8 85
99 4100	6779	6885	6991	7097	7203		7415	7521	7627	7733	9 95

No.	. 0	1	2	3	4	5	6	7	8	9	Diff.
4100 01 02 03 04 05	3132	$\begin{array}{r} 9004 \\ \hline 0062 \\ 1121 \\ 2179 \\ 3237 \end{array}$	$\begin{array}{r} 9109 \\ \hline 0168 \\ 1227 \\ 2285 \\ 3343 \end{array}$	$\begin{array}{r} 9215 \\ \hline 0274 \\ 1333 \\ 2391 \\ 3449 \end{array}$	$\begin{array}{r} 9321 \\ \hline 0380 \\ 1439 \\ 2497 \\ 3555 \end{array}$	$\begin{array}{r} 9427 \\ \hline 0486 \\ 1544 \\ 2603 \end{array}$	$\begin{array}{r} 9533 \\ \hline 0592 \\ 1650 \\ 2708 \end{array}$		$\begin{array}{r} 9745 \\ \hline 0803 \\ 1862 \\ 2920 \end{array}$	$\frac{9851}{0909}$ 1968 3026	
06 07 08 09 10 4111 12 13	5247 6304 7361 8418	7467 8524 9580 0637	5459 6516 7573 8630 9686 0742	5564 6621 7678 8735 9792 0848	5670 6727 7784 8841 9897 0954	5776 6833 7890 8947 $\overline{0003}$ 1059	5881 6939 7996 9052 $\overline{0109}$ 1165	$\begin{array}{c} 4930 \\ 5987 \\ 7044 \\ 8101 \\ 9158 \\ \hline 0214 \\ 1270 \\ 2326 \end{array}$	$6093 \\ 7150 \\ 8207 \\ 9263 \\ \hline 0320 \\ 1376$	$6199 \\ 7256 \\ 8313 \\ 9369 \\ \hline 0425 \\ 1482$	
14 15 16 17 18 19 20	2643 3698 4754 5809 6863 7918	2748 3804 4859 5914 6969	2854 3909 4965 6020 7074 8129	2960 4015 5070 6125 7180 8234	3065 4121 5176 6231 7285 8340	3171 4226 5281 6336 7391 8445	3276 4332 5387 6442 7496 8550	3382 4437 5492 6547 7602 8656 9710	3487 4543 5598 6652 7707 8761	3593 4648 5703 6758 7812 8867	
4121 22 23 24 25 26	2133 3187 4240	0132 1185 2239 3292 4345 5397	1291 2344 3397 4450	1396 2449 3502 4555	1501 2555 3608 4661	$ \begin{array}{c} 1607 \\ 2660 \\ 3713 \\ 4766 \end{array} $	1712 2765 3818 4871	0764 1817 2871 3924 4976 6029	1923 2976 4029 5082	2028 3081 4134 5187	
27 28 29 30	7397 8449		$\begin{array}{c} 7607 \\ 8659 \end{array}$	$\begin{array}{c} 7712 \\ 8764 \end{array}$	7818 8870	$7923 \\ 8975$	$\begin{array}{c} 8028 \\ 9080 \end{array}$	$7081 \\ 8133 \\ \underline{9185} \\ 0237$	$8238 \\ 9290$	8344	
4131 32 33 34 35	73705	$1708 \\ 2759$	1813 2864 3915	1918 2969 4020	$2024 \\ 3074 \\ 4125$	$\frac{2129}{3179}$	2234 3284 4335	1288 2339 3390 4440 5490	$2444 \\ 3495 \\ 4545$	$\begin{array}{c} 2549 \\ 3600 \end{array}$	-
36 37 38 39 40		9059	7065 8115 9164	$7170 \\ 8220 \\ 9269$	$7275 \\ 8325 \\ 9374$	7380 8430 9479	7485 8535 9584	6540 7590 8639 9689 0738	7695 8744 9794	7800 8849 9899	105 1 11 2 21 3 32
4141 42 43 44 45	2101 3149 4197 5245	3254 4302 5350	2311 3359 4407 5455	2415 3464 4512 5560	2520 3569 4617 5664	2625 3673 4721 5769	2730 3778 4826 5874	4931 5979	2940 3988 5036 6083	3045 4093 5141 6188	4 42 5 53 6 63 7 74 8 84 9 95
46 47 48 49 4150	6293 7340 8387 9434 618 0481	7445 8492 9539	7550 8597 9644	7655 8702 9748	7759 8806 9853	7864 8911 9958	$\frac{7969}{9016},\\ \frac{9016}{0062}$	9120	$\begin{array}{c} 8178 \\ 9225 \\ \hline 0272 \end{array}$	$\begin{array}{c} 8283 \\ \underline{9330} \\ 0376 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4150 51 52 53 54 55	3619 4665	1632 2678 3724 4769	$\begin{array}{c} 1737 \\ 2783 \end{array}$	1841 2887 3933 4979	1946 2992 4038 5083	2050 3096 4142 5188	2155		$\frac{2364}{3410}$	2469 3515 4560 5606	
56 57 58 59 60	7800 8845	7905 8949 9994	$\begin{array}{c} 6964 \\ 8009 \\ \underline{9054} \\ \overline{0098} \\ 1142 \end{array}$	$\begin{array}{c} 8114 \\ \underline{9158} \\ \overline{0202} \end{array}$	$\tfrac{9263}{0307}$	$8323 \\ 9367 \\ \hline 0411$		9576	$8636 \\ 9680 \\ \hline 0725$	$\frac{9785}{0829}$	
4161 62 63 64 65	3021 4064 5107	$3125 \\ 4168 \\ 5212$	2186 3229 4273 5316 6359	3334 4377 5420 6463	$4481 \\ 5524 \\ 6567$	3542 4586 5629 6671	$\begin{array}{c} 5733 \\ 6776 \end{array}$	2708 3751 4794 5837 6880	3855 4899 5942 6984	$\begin{array}{c} 5003 \\ 6046 \end{array}$	
66 67 68 69 70	$\begin{array}{r} 8235 \\ 9277 \\ 6200319 \\ 1361 \end{array}$	9381 0423 1465	8443 9485 0527 1569	$\begin{array}{c} 9590 \\ 0631 \\ 1673 \end{array}$	8652 9694 0736 1777	8756 9798 0840	8860 9902 0944	$\begin{array}{c} 7922 \\ \underline{8964} \\ 0006 \\ 1048 \\ 2090 \end{array}$	$\frac{9069}{0111}$ 1152	$\begin{array}{c} \overline{0215} \\ 1256 \end{array}$	
4171 72 73 74 75	3413 4484 5524	$3547 \\ 4588 \\ 5628$	2610 3651 4692 5733 6773	3755 4796 5837	$3859 \\ 4900 \\ 5941$	$5004 \\ 6045$		6253	4276	$\begin{array}{c} 5420 \\ 6461 \end{array}$	
76 77 78 79 80	$\begin{array}{c} 9684 \\ 6210724 \end{array}$	8749 9788	8853 9892 0932	7917 8957 9996 1035 2075	1139	$\frac{9165}{0204}$ 1243	$\begin{array}{c} 9269 \\ \hline 0308 \\ 1347 \end{array}$	$8333 \\ \underline{9373} \\ 0412 \\ 1451 \\ 2490$	$\frac{9476}{0516}$ 1555	$\begin{array}{c} \overline{0620} \\ 1659 \end{array}$	
81 82 83 84 85	3840 4879 5917	3944 4982	3009 4048 5086 6124 7162	$\begin{array}{c} 4152 \\ 5190 \end{array}$	$4256 \\ 5294 \\ 6332$	4359 5398 6 436	$\begin{array}{c} 4463 \\ 5502 \\ 6540 \end{array}$	3529 4567 5605 6643 7681	4671 5709 6747	5813	104 1 10 2 21 3 31
86 87 88 89 90	9030 622 0067 1104	9133	$\begin{array}{c} 0274 \\ 1311 \end{array}$	9341	9444 0482 1518	$\begin{array}{c} 9548 \\ 0585 \\ 1622 \end{array}$	$\begin{array}{c} 9652 \\ 0689 \\ 1726 \end{array}$	8718 9756 0793 1829 2866	$9859 \\ 0896 \\ 1933$	$9963 \\ 1000 \\ 2037$	4 42 5 52 6 62 7 73 8 83 9 94
4191 92 93 94 95	4213 5249 6284	4316		4524	$4627 \\ 5663 \\ 6698$	$4731 \\ 5766 \\ 6802$	$4834 \\ 5870 \\ 6906$	3902 4938 5974 7009 8044	5041 6077 7113	$\begin{array}{c} 5145 \\ 6181 \end{array}$	
96 97 98 99 4200	9390 623 0424 1459	$\begin{array}{c} 9493 \\ 0528 \\ 1562 \end{array}$	8562 9597 0631 1666 2700	9700 0735 1769	$9804 \\ 0838 \\ 1872$	9907 0942 1976	$0011 \\ 1045 \\ 2079$	$\begin{array}{r} 9079 \\ \hline 0114 \\ 1148 \\ 2183 \\ 3217 \\ \end{array}$	$\begin{array}{c} \overline{0217} \\ 1252 \\ 2286 \end{array}$	$\begin{array}{c} \overline{0321} \\ 1355 \\ 2389 \end{array}$	•

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4200 01 02 03 04	4560 5594 6627	3630 4664 5697 6730	3734 4767 5801 6834	3837 4871 5904 6937	3940 4974 6007 7040	4044 5077 6111 7144	4147 5181 6214 7247	$5284 \\ 6317 \\ 7350$	4354 5387 6420 7453	4457 5491 6524 7557	
05 06 07 08 09 10 4211 12 13	8693 9725 624 0757 1789 2821 3852 4884	9828 0861 1892 2924 3956 4987	8899 9932 0964 1996 3027 4059 5090	7970/ 9002/ 0035/ 1067/ 2099/ 3130/ 4162/ 5193/ 6224	$\begin{array}{c} 9106 \\ \hline 0138 \\ 1170 \\ 2202 \\ 3234 \\ 4265 \\ 5296 \end{array}$	$\begin{array}{c} 9209 \\ \hline 0241 \\ 1273 \\ 2305 \\ 3337 \\ 4368 \\ 5399 \end{array}$	$\begin{array}{c} 9312 \\ \hline 0344 \\ 1377 \\ 2408 \\ 3440 \\ 4471 \\ 5502 \end{array}$	8383 $\frac{9415}{0448}$ 1480 2511 3543 4574 5605 6636	$\begin{array}{c} 9519 \\ \hline 0551 \\ 1583 \\ 2615 \\ 3646 \\ 4677 \\ 5708 \end{array}$	$\begin{array}{c} 9622 \\ \hline 0654 \\ 1686 \\ 2718 \\ 3749 \\ 4781 \\ 5812 \\ \end{array}$	-
13 14 15 16 17 18 19 20	$6945 \\ 7976 \\ 9006 \\ 625 0036 \\ 1066 \\ 2095$	7048 8079 9109 0139 1169 2198	7151 8182 9212 0242 1272 2301	7254 8285 9315	7358 8388 9418 0448 1478 2507	7461 8491 9521 0551 1581 2610	7564 8594 9624 0654 1683 2713	7667	7770 8800 9830 0860 1889 2919	7873 8903 9933 0963 1992 3022	
4221 22 23 24 25	5182 6211 7239 8267	5285 6314 7342 8370	5388 6416 7445 8473	4462 5491 6519 7548 8575 9603	5594 6622 7650 8678	5697 6725 7753 8781	5799 6828 7856 8884	4874 $ 5902 $ $ 6931 $ $ 7959 $ $ 8987 $ $ 0014$	6005 7033 8062 9089	6108 7136 8164 9192	
26 27 28 29 30	$\begin{array}{r} 6260322 \\ -1350 \\ 2377 \\ 3404 \end{array}$	$0425 \\ 1453 \\ 2480 \\ 3506$	$\begin{array}{c} 0528 \\ 1555 \\ 2582 \\ 3609 \end{array}$	$\begin{array}{c} 0631 \\ 1658 \\ 2685 \\ 3712 \end{array}$	0753 1761 2788 3814	0836 1863 2890 3917	0939 1966 2993 4020	$1042 \\ 2069 \\ 3096 \\ 4122$	1144 2171 3198 4225	1247 2274 3301 4328	103 1 10 2 21
4231 32 33 34 35	5457 6483 7509	5559 6585 7611	$5662 \\ 6688 \\ 7714$	4738 5764 6790 7816 8842	$5867 \\ 6893 \\ 7919$	$5970 \\ 6996 \\ 8021$	$\begin{array}{c} 6072 \\ 7098 \end{array}$		7303	6380 7406 8432	3 31 4 41 5 52 6 62 7 72 8 82
36 37 38 39 40	627 0585 1610 2634	$0687 \\ 1712 \\ 2737$	$0790 \\ 1814 \\ 2839$	9867 0892 1917 2942 3966	$0995 \\ 2019 \\ 3044$	1097 2122 3146	$1200 \\ 2224 \\ 3249$	0277 1302 2327 3351 4376	$1405 \\ 2429 \\ 3454$	1507 2532 3556	9 93
4241 42 43 44 45	5707 6730 7754 8777	5809 6833 7856 8879	5911 6935 7958 8982		6116 7140 8163 9186	$\begin{array}{c} 7242 \\ 8265 \end{array}$	6321 7344 8368	6423 7447 8470	$6526 \\ 7549 \\ 8572$	6628 7651 8675	
46 47 48 49 4250	\$628 0823 1845 2867	0925 1947 2970	1027 2050 3072	0107 1129 2152 3174 4196	$\begin{array}{c} 1232 \\ 2254 \\ 3276 \end{array}$	1334 2356 3378	$1436 \\ 2458 \\ 3481$	0516 1538 2561 3583 4605	$1641 \\ 2663 \\ 3685$	1743 2765 3787	X

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4250 51 52 53 54 55	5933 6954 7975	5013 6035 7056 8077	$\begin{array}{c} 5115 \\ 6137 \end{array}$	5218 6239 7260 8281	5320 6341 7362 8383	5422 6443 7464 8485	6545 7566 8587	$5626 \\ 6647 \\ 7669$	6750 7771 8792	6852	
56 57 58 59 60	2057 3076	$1139 \\ 2159 \\ 3178$	0220 1241 2261 3280 4300	$\begin{array}{c} 1343 \\ 2363 \\ 3382 \end{array}$	3484	1547 2567 3586	$\begin{array}{c} 2668 \\ 3688 \end{array}$	$\begin{array}{c} 0730 \\ 1751 \\ 2770 \\ 3790 \\ 4810 \end{array}$	$\begin{array}{c} 2872 \\ 3892 \end{array}$	3994	
4261 62 63 64 65	6134 7153 8172	$\begin{array}{c} 7255 \\ 8274 \end{array}$	5319 6338 7357 8376 9394	$\begin{array}{c} 7459 \\ 8478 \end{array}$	6542 7561 8579	$\begin{array}{c} 7663 \\ 8681 \end{array}$	6746 7765 8783	5829 6848 7866 8885 9903	6950 7968 8987	7051 8070 9089	102 1 10
66 67 68 69 70	$\frac{2244}{3262}$	$\begin{array}{c} 1328 \\ 2346 \end{array}$	1430 2448 3465	$1532 \\ 2549$	1634 2651 3668	1735 2753 3770	$1837 \\ 2855 \\ 3872$	0921 1939 2956 3974 4991	$2041 \\ 3058 \\ 4075$	$2142 \\ 3160 \\ 4177$	2 20 3 31 4 41 5 51 6 61 7 71
4271 72 73 74 75	6312 7329 8345	6414 7431 8447	5499 6516 7532 8548 9564	6617 7634 8650	6719 7735 8752	6821 7837 8853	6922 7939 8955	$\begin{array}{c} 6007 \\ 7024 \\ 8040 \\ \underline{9056} \\ \overline{0072} \end{array}$	$7126 \\ 8142 \\ 9158$	7227 8244 9260	8 82 9 92
76 77 78 79 80	2408 3423	$1494 \\ 2509 \\ 3524$	0580 1596 2611 3626 4641	1697 2712 3727	$1799 \\ 2814$	$1900 \\ 2915 \\ 3930$	$\begin{array}{c} 2002 \\ 3017 \\ 4032 \end{array}$	1088 2103 3118 4133 5148	$\begin{array}{c} 2205 \\ 3220 \\ 4235 \end{array}$	2306 3321 4336	
4281 82 83 84 85	6467 7481 8495	$6568 \\ 7582 \\ 8596$	5655 6669 7684 8697 9711	$6771 \\ 7785 \\ 8799$	5858 6872 7886 8900 9914	6974 7988 9001	7075 8089 9103	$\begin{array}{c} 6162 \\ 7177 \\ 8190 \\ \underline{9204} \\ 0218 \end{array}$	7278 8292 9306	7379 8393 9407	
86 87 88 89 90	632 0522 1535 2548 3560	0623 1636 2649 3662		0826 1839 2852 3864	0927 1940 2953 3965	2041 3054 4067	$2143 \\ 3155 \\ 4168$	1231 2244 3257 4269 5282	$2345 \\ 3358 \\ 4370$	2446 3459 4472	101 1 10 2 20 3 30
4291 92 93 94 95	5585 6597 7609 8620	5686 6698 7710 8722	5788	5889 6901 7912 8924	5990 7002 8014	6091 7103 8115	$6192 \\ 7204 \\ 8216$	6294 7305 8317 9328	6395 7407 8418	6496 7508 8519 9531	5 51 6 61 7 71 8 81 9 91
96 97 98 99 4300	633 0643 1654 2664 3674	0744 1755 2765 3775		0946 1957 2967 3978	1047 2058 3068 4079	1148 2159 3169 4180	1249 2260 3270 4281	1350 2361 3371	1451 2462 3472 4483	1552 2563 3573 4584	1

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	323	,	0	9	4	5	6	7	8	9	Diff.
No.	0	1	2	3		•	-	•	_	7	DIII.
4300 01 02 03 04 05	6704 7713 8723	5795 6805 7814 8824	5896	5997 7007 8016 9025	6098 7108 8117 9126	$\begin{array}{r} 8218 \\ \underline{9227} \\ \overline{0236} \end{array}$	$\begin{array}{c} 6300 \\ 7310 \\ 8319 \\ \underline{9328} \\ \overline{0337} \end{array}$	$\begin{array}{c} 6401 \\ 7411 \\ 8420 \\ \underline{9429} \\ \overline{0438} \end{array}$	6502 7512 8521 9530 $\overline{0539}$	$\begin{array}{c} 6603 \\ 7613 \\ 8622 \\ \underline{9631} \\ \overline{0639} \end{array}$	
06 07 08 09 10	2757 3765	1850 2858 3866	0942 1950 2959 3967 4974	$2051 \\ 3059 \\ 4067$	2152 3160 4168	$2253 \\ 3261 \\ 4269$	2354 3362 4370	1446 2455 3463 4470 5478	$2555 \\ 3563 \\ 4571$	2656 3664 4672	
4311 12 13 14 15	6788 7795 8801	$6888 \\ 7895 \\ 8902$	$\begin{array}{c} 5982 \\ 6989 \\ 7996 \\ \underline{9003} \\ \overline{0009} \end{array}$	7090 8097 9103	7190 8197 9204	$7291 \\ 8298 \\ 9305$	7392 8399 9405	$6485 \\ 7492 \\ 8499 \\ \underline{9506} \\ \overline{0512}$	7593 8600 9607	7694 8701 9707	
16 17 18 19 20	2826 3832	1921 2927 3933		$2122 \\ 3128 \\ 4134$	2223 3229 4234	2323 3329 4335	$2424 \\ 3430 \\ 4435$	1519 2525 3530 4536 5541	$2625 \\ 3631 \\ 4636$	2726 3731 4737	100
4321 22 23 24 25	6848 7852	$6948 \\ 7953$	8053	7149 ⁹ 8154	$\begin{array}{c} 6245 \\ 7250 \\ 8254 \\ \underline{9259} \\ 0\overline{263} \end{array}$	$7350 \\ 8355$	$7450 \\ 8455 \\ 9459$	$6546 \\ 7551 \\ 8556 \\ \underline{9560} \\ 0564$	$7651 \\ 8656 \\ 9660$	7752 8756 9761	1 10 2 20 3 30 4 40 5 50 6 60
26 27 28 29 30	2873 3876	$1969 \\ 2973 \\ 3976$	$2070 \\ 3073 \\ 4076$	$2170 \\ 3174 \\ 4177$	$\frac{2270}{3274}$	2371 3374 4377	2471 3475 4478	1568 2571 3575 4578 5581	$2672 \\ 3675 \\ 4678$	2772 2776 4779	7 70 8 80 9 90
4331 32 33 34 35	6884 7887 8889	6985 7987 8989	7085 8087	7185 8188 9190	7285 8288 9290		$7486 \\ 8488 \\ 9490$	7586	7686 8689 9691	7787 8789 9791	Li.
36 37 38 39 40	2895 3897	1994 2996 3997	2094	2195 3196 4197	2295 3296 4297	2395 3396	2495 3496 4497	$3596 \\ 4597$	2695 3696 4697	2795 3796 4797	
4341 42 43 44 45	6898 7898 8898	6998 7998 8998	$\begin{array}{c} 6098 \\ 7098 \\ 8098 \\ \underline{9098} \\ 0098 \end{array}$	7198 8198 9198	7298 8298 9298	8398 9398	7498 8498 9498	7598 8598	7698 8698 9698	7798 8798 9798	1
46 47 48 49 4350	2895	1996 2995 3994	2096 3095 4094	2196 3195 4194	$2296 \\ 3295 \\ 4294$	2396 3395 4393	2496 3495 4493	4593	2696 3694 4693	2795 3794 4793	. Adda

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No.	0	1	2	3	4	5	6	7	8	9	
4350 51 52 53 54 55	6889 7887 8884	$5991 \\ 6989$	6090 7088 8086 9084	6190 7188 8186 9183	6290 7288 8286 9283	53925 63905 7388 83855 9383 0380	6490 7488 8485 9483	6589 7587 8585 9582	$\begin{array}{c} 5691 \\ 6689 \\ 7687 \\ 8685 \\ \underline{9682} \\ \overline{0679} \end{array}$	$\begin{array}{c} 5791 \\ 6789 \\ 7787 \\ 8784 \\ \underline{9782} \\ \overline{0779} \end{array}$	
56 57 58 59 60	2872 3869 4865	$1975 \\ 2972 \\ 3968 \\ 4965$	2075 3072 4068 5064	2175 3171 4168 5164	2274 3271 4267 5263	1377 2374 3371 4367 5363	2474 3470 4466 5463	2573 3570 4566 5562	$\begin{array}{c} 4666 \\ 5662 \end{array}$	$\begin{array}{c} 4765 \\ 5761 \end{array}$	
4361 62 63 64 65 66	8847	6956 7952 8947 9942	$7056 \\ 8051 \\ \underline{9046} \\ 0041$	$6160 \\ 7155 \\ 8151 \\ 9146 \\ \hline 0141 \\ 1136$	$7255 \\ 8250 \\ \underline{9245} \\ 0240$	63594 7354 83504 9345 0340	$7454 \\ 8449 \\ 9444 \\ \hline 0439$	$7553 \\ 8549 \\ \underline{9544} \\ 0539$	$\tfrac{9643}{0638}$	9743	
67 68 69 70	1832 2826 3820 4314		2031 3025 4019 5013	$2130 \\ 3125 \\ 4119$	2230 3224 4218 5212	2329 3323 4317 5311	2429 3423 4417 5411	2528 3522 4516 5510	$\begin{array}{c} 2627 \\ 3622 \\ 4616 \\ 5609 \end{array}$	2727 3721 4715 5709	99
4371 72 73 74 75 76	6302 7795 8788 9781	6901 7894 8887 9880	7000 7993 8986 9979	$\begin{array}{c} 7100 \\ 8093 \\ \underline{9086} \\ \overline{0078} \end{array}$	$7199 \\ 8192 \\ \underline{9185} \\ 0178$	7298 8291 9284	7398 8391 9383 0376	$7497 \\ 8490 \\ \underline{9483} \\ 0475$	$\begin{array}{c} 7596 \\ 8589 \\ \underline{9582} \\ \overline{0575} \end{array}$	$7695 \\ 8688 \\ 9681 \\ \hline 0674$	1 10 2 20 3 30 4 40 5 50 6 59
77 78 79 80	2758 3749 4741	1865 2857 3849 4840	1964 2956 3948 4939	$3055 \\ 4047 \\ 5039$	2162 3154 4146 5138	2262 3254 4245 5237	2361 3353 4344 336	2460 3452 4444 5435	2559 3551 4543 5534	2658 5650 4642 5633	7 69 8 79 9 89
4381 82 83 84 85	6724 7715 8705 9696	$8805 \\ 9795$	6922 7913 8904 9894	7021 8012 9003 9993	$7120 \\ 8111 \\ 9102 \\ \hline 0092$	$\begin{array}{c} 6228 \\ 7219 \\ 8210 \\ 9201 \\ \hline 0191 \end{array}$	$\begin{array}{c} 7318 \\ 8309 \\ 9300 \\ \hline 0290 \end{array}$	$7417 \\ 8408 \\ \underline{9399} \\ 0389$		$7616 \\ 8606 \\ \underline{9597} \\ 0587$	
86 87 88 89 90	2666 3656 4645	1775 2765 3755 4744	1874 2864 3854 4843	1973 2963 3953 4942	3062 4052 5041	1181 2171 3161 4151 5140	2270 3260 4249 5239	2369 3359 4348 5338	2468 3458 4447 5437	3557 4546 5535	
4391 92 93 94 95	6623 7612 8601 9589	8699 9688	6821 7810 8798 9786	6920 7909 8897 9885	7019 8007 8996 9984	$ \begin{array}{c} 6129 \\ 7118 \\ 8106 \\ \hline 9095 \\ \hline 0083 \end{array} $	$7217 \\ 8205 \\ 9194 \\ \hline 0182$	$7315 \\ 8304 \\ \underline{9292} \\ 0280$	7414 8403 9391 0379	$\begin{array}{c} 8502 \\ 9490 \\ \hline 0478 \end{array}$	
96 97 98 99 4400	$2552 \\ 3540$	$\begin{array}{c} 0676 \\ 1663 \\ 2651 \\ 3638 \\ 4625 \end{array}$	1762 2750 3737	1861 2848 3836	$1960 \\ 2947 \\ 3935$	1071 2058 3046 4033 5020	$2157 \\ 3145 \\ 4132$	$\begin{array}{c} 2256 \\ 3243 \\ 4231 \end{array}$	$\begin{array}{c} 3342 \\ 4329 \end{array}$	4428	

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No.	0	1	2	3	. 4	5	6	7	8	9	Diff.
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06 07 08 09 10	2416 3401	1529 2514 3499	$\begin{array}{c} 1628 \\ 2613 \\ 3598 \end{array}$	0741 1726 2711 3696 4681	1825 2810 3795	1923 2908 3893	$2022 \\ 3007 \\ 3992$	1135 2120 3105 4090 5075	2219 3204 4189	2317 3302 4287	0.0
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16 17 18 19 20	2257 3240	1372 2355 3338	$1471 \\ 2454 \\ 3437$	0586 1569 2552 3535 4517	$1667 \\ 2650 \\ 3633$	1766 2749 3731	1864 2847 3830	0979 1962 2945 3928 4910	$2061 \\ 3043 \\ 4026$	$2159 \\ 3142 \\ 4124$	6 59 7 69 8 78 9 88
4421 22 23 24 25	6187 7169 8151	6286 7268 8249	6384 7366 8348	5500 6482 7464 8446 9427	6580 7562 8544	6678 7660 8642	6777 7758 8740	5893 6875 7857 8838 9820	6973 7955 8936	7071 8053 9035	
26 27 28 29 30	2076 3057	1193 2174 3155	1291 2272 3253	0408 1390 2370 3351 4331	1488 2468 3449	1586 2566 3547	1684 2665 3645	0801 1782 2763 3743 4723	1880 2861 3841	1978 2959 3939	
32 33 34 35	5998 6977 7957	6096 7075 8055	6193 7173 8153	5312 6291 7271 8251 29230	6389 7369 8349	6487 7467 8447	6585 7565 8545	5704 6683 7663 8642 9622	6781 7761 8740	6879 7859 8838	
36 37 38 39 40	647 0894	$0992 \\ 1971 \\ 2949$	1090 2069 3047	1188 2167 3145	1286 2264 3243	$\frac{2362}{3341}$	1482 2460 3438		1677 2656 3634	1775 2754 3732	
4441 42 43 44 45	5786 6763 7741	5883 6861 7838	5981 6959 7936	6079 7056 8034	6177 7154 8131	5297 6274 7252 8229 9206	6372 7350 8327	6470 7447 8425	6568 7541 8522	6665 7643 8620	
46 47 48 49 4450	648 0671 1648 2624	0769 1745 2722	0867 1843 2819	0964 1941 2917	1062 2038 3015	0183 1160 2136 / 3112 / 4088	1257 2234 3210	1355 2331 3307	1453 2429 3405	1550 2526 3503	

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No.	0	1	2	3	4	· 5	6	7	8	9	Diff.
4450 51 52 53 54 55	5552 6527 7502	3698 4674 5649 6624 7600 8575	4771 5747 6722 7697	4869 5844 6820 7795	4966 5942 6917 7892	5064 6039 7015 7990	5161 6137 7112 8087	4283 5259 6234 7210 8185 9159	5356 6332 7307 8282	5454 6429 7405 8380	
56 57 58 59 60	649 0426 1401 2375 3349	1498 2472 3446	$\begin{array}{c} 0621 \\ 1595 \\ 2570 \\ 3543 \end{array}$	0719 1693 2667 3641	0816 1790 2764 3738	0914 1888 2862 3835	1011 1985 2959 3933	$\overline{0134}$ 1108 2083 3056 4030	1206 2180 3154 4128	1303 2277 3251 4225	97
4461 62 63 64 65	5296 6269 7242 8215	4420 5393 6366 7339 8312	5490 6463 7436 8409	5588′ 6561′ 7534′ 8506	5685 6658 7631 8604	5782 6755 7728 8701	5880 6853 7826 8798	5004 5977 6950 7923 8895	6074 7047 8020 8993	6172 7145 8117 9090	1 10 2 19 3 29 4 39 5 49 6 58
66 67 68 69 70	650 0160 1132 2104 3075	1229 2201 3172	$\begin{array}{c} 0354 \\ 1326 \\ 2298 \\ 3270 \end{array}$	0451 1423 2395 3367	0548 1520 2492 3464	0646 1618 2589 3561	$\begin{array}{c} 0743 \\ 1715 \\ 2687 \\ 3658 \end{array}$	9868 0840 1812 2784 3755	0937 1909 2881 3852	1034 2006 2978 3950	7 68 8 78 9 87
4471 72 73 74 75	5018 5989 6960 7930	4144 5115 6086 7057 8027	5212 6183 7154 8124	5309 6280 7251 8222	5406 6377 7348 8319	5503 6474 7445 8416	5601 6571 7542 8513	4727 5698 6669 7639 8610	6766 7736 8707	5892 6863 7833 8804	
76 77 78 79 80	$\begin{array}{r} 9871 \\ 651 \ 0841 \\ 1811 \\ 2780 \end{array}$	$\frac{1908}{2877}$	0065 1035 2005 2974	0162 1132 2102 3071	$\overline{0259}$ 1229 2198 3168	$\overline{0356}$ 1326 2295 3265	$\overline{0453}$ 1423 2392 3362	$\begin{array}{r} 9580 \\ \hline 0550 \\ 1520 \\ 2489 \\ 3459 \\ \end{array}$	0647 1617 2586 3556	0744 1714 2683 3653	
82 83 84 85	7624	4815 5784 6753 7721	4912 5881 6850 7818	5009 5978 6947 7915	5106 6075 7043 8012	5203 6172 7140 8109	5300 6269 7237 8205	4428 5397 6365 7334 8302	5494 6462 7431 8399	5591 6559 7528 8496	
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92 93 94 95	4397 5364 6331 7297	4494 5461 6427 7394	4591 5558 6524 7490	4688 5654 6621 7587	6717 7683	4881 5847 6814 7780	4978 5944 6910 7877	$6041 \\ 7007 \\ 7973$	5171 6137 7104 8070	5268 6234 7200 8166	
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4 500	•					* 0)						
No.	0	1	2	3	4	5	6	7	8	9	Diff.	
4500 01 02 03 04 05	4055 5019 5984	2222 3187 4151 5116 6080 7044	3283 4248 5212 5177	3380 4344 5309 6273	3476 4441 5405 6369	3573 4537 5502 6466	3669 4634 5598 6562	2801 3765 4730 5695 6659 7623	3862 4827 5791 6755	3958 4923 5887 6852		
06 07 08 09 10	8876 9839 654 0802	8008 8972 9935 0899 1862	$\begin{array}{c} 9068 \\ \hline 0032 \\ 0995 \end{array}$	$\begin{array}{c} \overline{0128} \\ 1091 \end{array}$	$\begin{array}{c} 9261 \\ \hline 0224 \\ 1188 \end{array}$	$\begin{array}{r} 9357 \\ \hline 0321 \\ 1284 \end{array}$	$\frac{9454}{0417}$ 41380	$\begin{array}{r} 8586 \\ 9550 \\ \hline 0513 \\ 1477 \\ 2439 \end{array}$	$\frac{9646}{0610}$ 1573	1669		
4511 12 13 14 15	3691 4653 5616	2825 3787 4750 5712 6674	$3883 \\ 4846 \\ 5808$	$3980 \\ 4942 \\ 5904$	$4076 \\ 5038 \\ 6000$	$ \begin{array}{r} 4172 \\ 5134 \\ 6097 \end{array} $	$4268 \\ 5231 \\ 6193$	3402 4365 5327 6289 7251	4461 5423 6385	4557 5519 6481		
16 17 18 19 20	8501 9462 655 0423	7635 8597 9558 0520 1480	$8693 \\ 9655 \\ 0616$	8789 9751	8885 9847 0808	8982 9943 0904	$\frac{9078}{0039}$ 1000	$8212 \\ \underline{9174} \\ \overline{0135} \\ 1096 \\ 2057$	$\frac{9270}{0231}$ 1192	$\frac{9366}{0327}$	96	
4521 22 23 24 25	3306 4266 5226	$2441 \\ 3402 \\ 4362 \\ 5322 \\ 6282$	3498 4458 5418	$3594 \\ 4554 \\ 5514$	$3690 \\ 4650 \\ 5610$	3786 4746 5706	$3882 \\ 4842 \\ 5802$	3017 3978 4938 5898 6858	$4074 \\ 5034 \\ 5994$	5130 6090	1 10 2 19 3 29 4 38 5 48 6 58	
26 27 28 29 30	8105 9064 656 0023	7241 8201 9160 0119 1078	$\begin{array}{c} 8297 \\ 9256 \\ 0215 \end{array}$	$8393 \\ 9352 \\ 0311$	8489 9448 0407	$8585 \\ 9544 \\ 0503$	8681 9640	7817 8776 9736 0694 1653	$8872 \\ 9831$	0886	7 67 8 77 9 86	
4531 32 33 34 35	2899 3857 4815	2036 2995 3953 4911 5869	3091 4049 5007	$3186 \\ 4145 \\ 5103$	$3282 \\ 4240 \\ 5198$	3378 4336 5294	$\frac{4432}{5390}$	2612 3570 4528 5486 6443	3666 4624 5581	$\frac{4719}{5677}$		
36 37 38 39 40	7688 8645	6826 7784 8741 9698 0654	7879 8836 9793	7975 8932 9889	8071 9028 9985	$\begin{array}{r} 8166 \\ \underline{9123} \\ 0080 \end{array}$	$\begin{array}{c} 8262 \\ \underline{9219} \\ \overline{0176} \end{array}$	$7401 \\ 8358 \\ \underline{9315} \\ \overline{0272} \\ 1228$	$8454 \\ \underline{9410} \\ 0367$	$\begin{array}{r} 8549 \\ 9506 \\ \hline 0463 \end{array}$		
4541 42 43 44 45	2471 3427 4383	1611 2567 3523 4479 5434	$2663 \\ 3619 \\ 4574$	$2758 \\ 3714 \\ 4670$	$2854 \\ 3810 \\ 4766$	2949	3045 4001 4957		$3236 \\ 4192 \\ 5148$	3332 4288 5243		
46 47 48 49 4550	7250 8 2 05	8300 9255	7441 8396 9350	7536 8491 9446	7632 8587 9541	77727 8682 9637	7823 8777 9732	8873	8014 8968 9923	$\begin{array}{c} 8109 \\ \underline{9064} \\ 0019 \end{array}$	*	-

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4550 51 52 53 54 55	2023 2977 3930	1164 2118 3072 4026	$1259 \\ 2213$	1355 2309 3263 4216	$\begin{array}{c} 1450 \\ 2404 \end{array}$	$2500 \\ 3453 \\ 4407$	1641 2595	2690 3644 4598	1832 2786	1927 2881 3835 4788	
56 57 58 59 60	6790 7743 8696	$\begin{array}{c} 6886 \\ 7838 \end{array}$	8886	7076 8029 8982	$\begin{array}{c} 6218 \\ 7171 \\ 8124 \\ \underline{9077} \\ \overline{0029} \end{array}$	$7267 \\ 8220 \\ 9172$	$6409 \\ 7362 \\ 8315 \\ \underline{9267} \\ 0220$	7457 8410 9363	$\begin{array}{c} 6600 \\ 7553 \\ 8505 \\ \underline{9458} \\ \overline{0410} \end{array}$	7648 8601 9553	-
4561 62 63 64 65	$\frac{2505}{3456}$	$\begin{array}{c} 0696 \\ 1648 \\ 2600 \\ 3552 \\ 4503 \end{array}$	$1743 \\ 2695 \\ 3647$	$1838 \\ 2790 \\ 3742$	0982 1934 2885 3837 4788	2029		1267 2219 3171 4122 5074	2314	4313	
66 67 68 69 70	$7261 \\ 8212$	5454 6405 7356 8307 9257	7451		5740 6690 7641 8592 9542	7736	5930 6881 7831 8782 9732	6025 6976 7926 8877 9827	6120 7071 8021 8972 9922	7166 8117	95
4571 72 73 74 75	$2012 \\ 2962$	0207 1157 2107 3057 4006	$\begin{array}{c} 1252 \\ 2202 \\ 3151 \end{array}$	1347 2297 3246	$\begin{array}{c} 1442 \\ 2392 \end{array}$		$\begin{array}{c} 1632 \\ 2582 \end{array}$	$\begin{array}{c} 0777 \\ 1727 \\ 2677 \\ 3626 \\ 4575 \end{array}$	3721	0967 1917 2867 3816 4765	1 10 2 19 3 29 4 38 5 48 6 57
76 77 78 79 80	5809 6758 7706	4955 5904 6853 7801 8750	5999 6948 7896	6094 7042 7991	5240 6189 7137 8086 9034	$6284 \\ 7232 \\ 8181$	5430 6378 7327 8275 9224	6473 7422 8370	5619 6568 7517 8465 9413	6663 7612 8560	7 67 8 76 9 86
4581 82 83 84 85	661 0551 1499 2446		$0740 \\ 1688 \\ 2636$	$0835 \\ 1783 \\ 2730$	9982 0930 1878 2825 3772	1972	$\begin{array}{c} \overline{0172} \\ 1120 \\ 2067 \\ 3015 \\ 3962 \end{array}$	$\begin{array}{c} 1214 \\ 2162 \end{array}$	$\begin{array}{c} 2257 \\ 3204 \end{array}$	$\frac{1404}{2351}$	
86 87 88 89 90	5287 6234 7181	4435 5382 6329 7275 8221	$6423 \\ 7370$	$5571 \\ 6518 \\ 7464$	$\frac{6613}{7559}$	5761 6707 7654	$\begin{array}{c} 6802 \\ 7748 \end{array}$		7938	6139 7086 8032	
4591 92 93 94 95	662 0019 0964 1910	9168 0113 1059 2004 2950	$0208 \\ 1154 \\ 2099$	$0303 \\ 1248 \\ 2194$		9546 0492 1437 2383 3328	$\begin{array}{c} 1532 \\ 2477 \end{array}$	9735 0681 1626 2572 3517	9830 0775 1721 2666 3611	$\frac{1815}{2761}$	
96 97 98 99 4600	4745 5690 6634	3895 4840 5784 6729 7673	4934 5879 6823	$\begin{array}{c} 5973 \\ 6917 \end{array}$	5123 6067 7012	5217 6162 7106	4367 5312 6256 7201 8145	4462 5406 6351 7295 8239	4556 5501 6445 7389 8334	$6540 \\ 7484$	_

No.	0	1	2	3	4	5	6	7	8	9	Diff,
$4600 \\ 01 \\ 02 \\ 03$		8617 9561	8711 9655	8805 9749	8900 9844	8994 9938	$\begin{array}{r} 8145 \\ 9089 \\ \hline 0032 \\ 0976 \end{array}$	$\frac{9183}{0127}$	$\tfrac{9277}{0221}$	$\overline{0315}$	
04 05 06	1353 2296	$1447 \\ 2391$	$1542 \\ 2485$	$1636 \\ 2579$	$\frac{1730}{2674}$	$\frac{1825}{2768}$	$1919 \\ 2862$	$2013 \\ 2956$	$\frac{2108}{3051}$	$\begin{array}{c} 2202 \\ 3145 \end{array}$	
07 08 09 10	4182 5125 6067	4276 5219 6161	3428 4371 5313 6256 7198	4465 5407 6350	4559 5502 6444	4653 5596 6538	3805 4748 5690 6632 7574	4842 5784 6727	4936 5879 6821	$5973 \\ 6915$	
4611 12 13 14 15	7951 8893 9835 664 0776	8045 8987 9929 0870	$\frac{8140}{9081} \\ \hline 0023$	$8234 \\ \underline{9175} \\ 0117 \\ 1058$	$8328 \\ \underline{9270} \\ 0211 \\ 1152$	8422 9364 0305 1247	$8516 \\ 9458 \\ \hline 0399 \\ 1341 \\ 2282$	$86\overline{10} \\ \underline{9552} \\ \overline{0494} \\ 1435$	$8705 \\ \underline{9646} \\ 0588 \\ 1529$	$\begin{array}{r} 8799 \\ \underline{9740} \\ 0682 \\ 1623 \end{array}$	
16 17 18 19 20	3599 4539 5480	3693 4633 5574	2846 3787 4727 5668 6608	$3881 \\ 4821 \\ 5762$	3975 4915 5856	4069 5009 5950	3222 4163 5104 6044 6984	4257 5198 6138	$4351 \\ 5292 \\ 6232$	$\begin{array}{c} 4445 \\ 5386 \end{array}$	
4621 22 23 24 25	8299 9239 665 0178	$8393 \\ 9333 \\ 0272$	7548 8487 9427 0366 1305	$8581 \\ 9521 \\ 0460$	8675 9615 0554	8769 9709 0648	7924 8863 9803 0742 1681	8957 9896 0836	9051 9990	$\frac{9145}{0084}$ 1023	94 1 9 2 19 3 28 4 38 5 47
26 27 28 29 30	2995 3934 4872	3089 4027 4966	2244 3183 4121 5059 5998	$3277 \\ 4215 \\ 5153$	3370 4309 5247	3464 4403 5341	2620 3558 4497 5435 6373	$\begin{array}{c} 4590 \\ 5529 \end{array}$	$3746 \\ 4684 \\ 5622$	3840 4778 5716	6 56 7 66 8 75 9 85
4631 32 33 34 35	7686 8623	7779 8717 9654	6935 7873 8810 9748 0685	7967 8904 9841	$8998 \\ 9935$	$8154 \\ 9092 \\ \hline 0029$	$\begin{array}{c} 7310 \\ 8248 \\ \underline{9185} \\ 0123 \\ 1060 \end{array}$	$8342 \\ \underline{9279} \\ 0216$	$8436 \\ \underline{9373} \\ \overline{0310}$	$\begin{array}{c} 8529 \\ \underline{9467} \\ 0404 \end{array}$	
36 37 38 39 40	2371 3307 4244	$2465 \\ 3401 \\ 4337$	1622 2558 3495 4431 5367	2652 3588 4525	3682 4618	$2839 \\ 3776 \\ 4712$	1996 2933 3869 4805 5741	$3027 \\ 3963 \\ 4899$	$3120 \\ 4056 \\ 4993$	3214 4150 5086	
4641 42 43 44 45	7051 7987 8922	7145 8080 9016		7332 8267 9203	7426 8361 9296	8454 9390	7613 8548	7706 8642 9577	7800 8735 9670	7893 8829 9764	
46 47 48 49	2661	1820 2755	1914 2848	$2007 \\ 2941$	$\frac{2101}{3035}$	1259 2194	1353 2287 3222	1446 2381 3315	1540 2474 3409	1633 2568	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4650 51 52 53 54	667 4530 5463 56397 7331	4623 5557 6490 7424	4716 5650 6584 7517	4810 5744	4903 5837 6770 7704	4996 5930 6864 7797	5090 6024 6957	5183 6117 7051 7984	5277 6210 7144 8077	5370 6304 7237	Dill.
55 56 57 58 59 60	9197 668 0130 1062 1995 2927	9290 0223 1156 2088	$\begin{array}{c} 9383 \\ 0316 \\ 1249 \\ 2181 \\ 3114 \end{array}$	9477 0410 1342 2275 3207	9570 0503 1435 2368	9663 0596 1529 2461 3393	9757 0689 1622 2554 3486	9850 0783 1715 2647 3580	9943 0876 1808 2741	0036 0969 1902 2834 3766	
4661 62 63 64 65	4791 5723 6654 7585 8516	4884 5816 6747 7679 8610	4977 5909 6840 7772 8703	5071 6002 6934 7865 8796	5164 6095 7027 7958 8889	5257 6188 7120 8051 8982	5350 6282 7213 8144 /9075	5443 6375 7306 8237 9168	5536 6468 7399 8330 9261	5630 6561 7492 8423 9354	
66 67 68 .69 70	669 0378 1308 2239 3169	0471 1402 2332 3262	0564 1495 2425 3355	1588 2518 3448	0750 1681 2611 3541	0843 1774 2704 3634	0936 1867 2797 3727	3820	1122 2053 2983 3913	1215 2146 3076 4006	93
4671 72 73 74 75 76	5028 5958 6887 7816	6051 6980 7909	5214 6144 7073 8002	5307 6237 7166 8095	6330 7259 8188	5493 6422 7352 8281	$5586 \\ 6515 \\ 7445$	6608 7537 8466		$\begin{array}{c} 7723 \\ 8652 \end{array}$	1 9 2 19 3 28 4 37 5 47 6 56
76 77 78 79 80 4681	$\begin{array}{r} 9674 \\ 6700602 \\ 1530 \\ 2459 \end{array}$	$\begin{array}{c} 0695 \\ 1623 \\ 2551 \end{array}$	$\begin{array}{c} 9859 \\ 0788 \\ 1716 \\ 2644 \end{array}$	$\begin{array}{c} 9952 \\ 0881 \end{array}$	$0974 \\ 1902 \\ 2830$	$ \begin{array}{r} \hline 0138 \\ 1066 \\ 1995 \\ 2922 \end{array} $	$0231 \\ 1159 \\ 2087$	$ \begin{array}{r} 0324 \\ 1252 \\ 2180 \\ 3108 \end{array} $	$04\overline{16} \\ 1345 \\ 2273$	$\begin{array}{c} 1438 \\ 2366 \end{array}$	7 65 8 74 9 84
82 83 84 85 86	4314 5242 6169 7096	4407 5334 6262 7189	4500 5427 6354 7281	$\begin{array}{c} 4592 \\ 5520 \end{array}$	4685 5613 6540 7467	4778 5705 6632 7559	4871	4963 5891 6818 7745	5056	5149 6076 7003 7930	
87 88 89 90 4691	8950 9876 671 0802 1728	$9042 \\ 9969 \\ 0895$	$\begin{array}{c} 9135 \\ \hline 0061 \\ 0988 \\ 1914 \end{array}$	$\begin{array}{c} 9228 \\ \hline 0154 \\ 1080 \\ 2006 \end{array}$	$\frac{9320}{0247}$ 1173	$\begin{array}{r} 9413 \\ \hline 0339 \\ 1265 \\ 2191 \end{array}$	$\begin{array}{r} 9505 \\ \hline 0432 \\ 1358 \\ 2284 \end{array}$	$\frac{9598}{0524}$	$\begin{array}{r} 9691 \\ \hline 0617 \\ 1543 \\ 2469 \end{array}$	$\begin{array}{c} 9783 \\ \hline 0710 \\ 1636 \\ 2562 \end{array}$	
92 93 94 95 96	3580 4506 5431 6356	$\frac{3673}{4598}$	3765 4691 5616 6541	3858 4783 5708 6633	3950 4876	4043 4968 5893 6818	$\begin{array}{c} 4135 \\ 5061 \end{array}$	4228 5153 6078 7003	4320 5246 6171 7096	4413 5338 6263 7188	-
97 98 99 4700	8206 9130 6720054	$8298 \\ 9223 \\ 0147$	8391 9315 0239	$8483 \\ 9407$	8575 9500 0424	8668 9592 0517	8760 9685 0609	$8853 \\ 9777$	8945 9870 0794	9038. 9962 0886	

N.	0	1	2	3	4	5	6	7	8	9	D:a
No. 4700	672 0979	_	_	_	_	1441	•	1625	_	•	Diff.
01				2180		2364					
02				3103		3288					
03				4027		4211		4396	4488		(9)
04 05				$\frac{4950}{5873}$		6058	5227 6150		5412 6335		
06	6519			6796				7165			
07				7719				8088			
08				8641				9010			
09 10	9287 6730209			9564				$9932 \\ 0854$			
								1776			
$\begin{array}{c} 4711 \\ 12 \end{array}$		21.45		$\frac{1408}{2329}$				2698			
13				3251				3619			
14				4172				4541			
15	1		•		5185			5462			
16				6014				6383			
17 18				7856		7119		8224			
19					8868			9144			
20	9420	9512	9604	9696	9788	9880	9972	0064	0156	$0\overline{248}$	92
4721	674 0340	0432	0524	0616	0708	0800		0984			1 9
22					1628			1904			2 18
23 24				2455 3375				$\frac{2823}{3742}$		3926	3 28
25				4294				4661			5 46
26	4937	5029	5121	5213	5305	5397	5489	5580	5672	5764	6 55 7 64
27				6132				6499			8 74
28 29				7050	$7142 \\ 8060$			7418 8336		7601	9 83
30				8887						9438	
4731	9529	9621	9713	9805	9897	9988	0080	0172	0264	0356	
32										1273	
33				1640						2191	
34				2558 3475						$\frac{3108}{4025}$	
36					4484					4942	
37					5401					5859	
38					6317					6775	
39		6959			$\begin{array}{c} 7234 \\ 8150 \end{array}$		7417			$7692 \\ 8608$	
4741				8974				9341			
4741				9890						$\frac{9524}{0440}$	
43	676 0531	0623	0714	0806	0897	0989	1081	1172	1264	1355	
44				1721				2088			
45	1			2637				3003			
46					3643 4558			3918 4833		4101	•
48				5382				5747			
49		6113					6570				
4750					7302			7576			

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4750 51 52 53 54 55	7859 8764 9678 677 0592	7942 8856 9770 0683	7119 8033 8947 9861 0774 1688	8125 9038 9952 0866	$\begin{array}{c} 8216 \\ \underline{9130} \\ 0044 \end{array}$	8307 9221 0135 1049	$8399 \\ \underline{9313} \\ 0226 \\ 1140$	$7576 \\ 8490 \\ \underline{9404} \\ 0318 \\ 1231 \\ 2145$	$\begin{array}{c} 8582 \\ \underline{9495} \\ 0409 \\ 1323 \end{array}$	8673 9587 0500 1414	
56 57 58 59 60		3423 4336 5248	5340	$3605 \\ 4518 \\ 5431$	$\frac{3697}{4609}$	3788 4701 5613		5796	$\begin{array}{c} 4062 \\ 4975 \end{array}$	3240 4153 5066 5978 6891	
4761 62 63 64 65	7894 8806	7985 8897 9809	7164 8076 8988 9900 0811	8168 9079 9991	$7347 \\ 8259 \\ \underline{9171} \\ 0082 \\ 0994$	$\frac{8350}{9262} \\ \hline 0173$	$\overline{0264}$		9535		
66 67 68 69 70	2452 3362 4273	$2543 \\ 3454 \\ 4364$	1723 2634 3545 4455 5366	$\begin{array}{c} 2725 \\ 3636 \\ 4546 \end{array}$	1905 2816 3727 4637 5548	2907	$\frac{3909}{4820}$	2178 3089 4000 4911 5821	$\begin{array}{c} 4091 \\ 5002 \end{array}$	3271	91
4771 72 73 74 75	7004 7914	$7095 \\ 8005 \\ 8915$	6276 7186 8096 9006 9916	7277 8187 9097	9188	9279	7550 8460 9370	$6731 \\ 7641 \\ 8551 \\ \underline{9461} \\ 0370$	$7732 \\ 8642 \\ 9552$	$6913 \\ 7823 \\ 8733 \\ 9643 \\ \hline 0552$	1 9 2 18 3 27 4 36 5 46 6 55
76 77 78 79 80	2461 3370	$1643 \\ 2552 \\ 3461$	$\begin{array}{c} 0825 \\ 1734 \\ 2643 \\ 3552 \\ 4461 \end{array}$	$1825 \\ 2734 \\ 3643$	$1916 \\ 2825 \\ 3734$	2007	2098 3007 3916		4097	2371 3279 4188	7 64 8 73 9 82
4781 82 83 84 85	7004 7912	6187		6368 7276 8184	$\begin{array}{c} 7367 \\ 8275 \end{array}$	6550	6641 7549 8456	5823 6731 7639 8547 9455	6822	$6913 \\ 7821$	
86 87 88 89 90	680 0634 1541 2448	$0725 \\ 1632 \\ 2539$	1723	$0906 \\ 1814 \\ 2720$	0997 1904 2811	$1088 \\ 1995 \\ 2902$	$1179 \\ 2086 \\ 2992$	0362 1269 2176 3083 3990	$1360 \\ 2267 \\ 3174$	$1451 \\ 2358 \\ 3264$	
4791 -92 93 94 95	5168 6074 6980	5259		$5440 \\ 6346 \\ 7252$	5531 6437 7343	4715 5621 6527 7433 8339	5712 6618 7524	4896 5802 6709 7614 8520	5893 6799 7705	5984 6890 77,96	
96 97 98 99 4800	681 0602 1507	$9788 \\ 0693 \\ 1598$	$\begin{array}{c} 0783 \\ 1688 \end{array}$	9969 0874 1779	$\begin{array}{c} \overline{0059} \\ 0964 \end{array}$	1055 1960	0240 1145 2050	$\begin{array}{r} 9426 \\ \hline 0331 \\ 1236 \\ 2141 \\ \hline 3046 \\ \end{array}$	$\begin{array}{c} 1327 \\ 2231 \end{array}$	$05\overline{12} \\ 1417 \\ 2322$	-

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4800 01 02 03 04 05	4222 5126 6030	2503 3408 4312 5216 6120 7024	3498 4402 5307 6211	3588 4493 5397 6301	3679 4583 5488 6392	3769 4674 5578 6482	3860 4764 5668 6572	3046 3950 4855 5759 6663 7567	4041	4131	
06 07 08 09 10	$ \begin{array}{r} 8741 \\ 9645 \\ 6820548 \\ 1451 \end{array} $	1541	8922 9825 0728 1631	9012 9916 0819 1722	$\begin{array}{c} 9103 \\ \hline 0006 \\ 0909 \\ 1812 \end{array}$	$\frac{9193}{0096}$ 0999	$\frac{9283}{0187}$ 1090	$8470 \\ \underline{9374} \\ \overline{0277} \\ 1180 \\ 2083$	$\begin{array}{c} \overline{0367} \\ 1270 \end{array}$	$\begin{array}{c} \overline{0457} \\ 1360 \end{array}$	
4811 12 13 14 15	3256 4159 5061	2444 3346 4249 5151 6053	$3437 \\ 4339 \\ 5241$	$3527 \\ 4429 \\ 5331$	$\frac{3617}{4520}$	3707 4610 5512	$3798 \\ 4700 \\ 5602$	2985 3888 4790 5692 6594	3978 4880	4068 4971 5873	
16 17 18 19 20	7766 8668	6955 7857 8758 9659 0560	7947 8848 9750	8037 8938 9840	8127 9029 9930	$\begin{array}{r} 8217 \\ \underline{9119} \\ 0020 \end{array}$	$\begin{array}{c} 8307 \\ 9209 \\ \hline 0110 \end{array}$	$7496 \\ 8398 \\ 9299 \\ \hline 0200 \\ 1101$	$\frac{9389}{0290}$	$\begin{array}{c} 8578 \\ 9479 \\ \hline 0380 \end{array}$	90
4821 22 23 24 25	$2272 \\ 3173 \\ 4073$	1461 2362 3263 4163 5063	$2452 \\ 3353 \\ 4253$	$2542 \\ 3443 \\ 4343$	$\begin{array}{c} 2632 \\ 3533 \end{array}$	2722 3623 4523	2812 3713 4613	2002 2902 3803 4703 5603	$2993 \\ 3893 \\ 4793$	3083 3983 4883	1 9 2 18 3 27 4 36 5 45
26 27 28 29 30	6773 7673 8572	$\begin{array}{c} 7763 \\ 8662 \end{array}$	$6953 \\ 7853 \\ 8752$	$7043 \\ 7942$	7133 8032 8932	$7223 \\ 8122 \\ 9022$	$7313 \\ 8212 \\ 9112$	$\begin{array}{c} 6503 \\ 7403 \\ 8302 \\ \underline{9202} \\ \overline{0101} \end{array}$	7493 8392 9291	7583 8482 9381	6 54 7 63 8 72 9 81
4831 32 33 34 35	2168 3066	$\begin{array}{c} 0460 \\ 1359 \\ 2258 \\ 3156 \\ 4055 \end{array}$	$\begin{array}{c} 1449 \\ 2348 \\ 3246 \end{array}$	1539 2438 3336	1629 2527 3426	1719 2617 3516	$1808 \\ 2707 \\ 3605$	1000 1898 2797 3695 4594	1988 2887 3785	2078 2977 3875	
36 37 38 39 40	5761 6659 7556	4953 5851 6748 7646 8543	$5940 \\ 6838 \\ 7736$	$6030 \\ 6928 \\ 7825$	6120 7018 7915	6210 7107 8005	$6300 \\ 7197 \\ 8095$	5492 6389 7287 8184 9082	6479 7377 8274	6569 7466 8364	
4841 42 43 44 45	$6850248\\1145\\2041$	9441 0338 1234 2131 3027	$0427 \\ 1324 \\ 2221$	$0517 \\ 1414 \\ 2310$	$0607 \\ 1503 \\ 2400$	0696 1593 2490	$\begin{array}{c} 0786 \\ 1683 \\ 2579 \end{array}$		$0965 \\ 1862 \\ 2759$	$1055 \\ 1952 \\ 2848$	
46 47 48 49 4850	$4730 \\ -5626 \\ 6522$		4909 5805 6701	4999 5895 6791	5089 5984 6880	6074 6970	$5268 \\ 6164 \\ 7059$	4461 5357 6253 7149 8044	5447 6343 7238	5537 6432 7328	

No.	0	1	2	3	4	5	6	7	8	9	Di	ff.
4850 51 52 53 54 55	9208 686 0103 0998 1892	8402 9297 0192 1087 1982	8492 9387 0282 1177 2071	8581 9476 0371 1266 2161	8671 9566 0461 1356 2250	9655 0550 1445 2340	8850 9745 0640 1535 2429	2518	9029 9924 0819 1713 2608	$\begin{array}{c} 9118 \\ \hline 0013 \\ 0908 \\ 1803 \\ 2697 \end{array}$		
56 57 58 59 60	3681 4575 5469 6363	2876 3770 4665 5558 6452	3860 4754 5648 6541	3949 4843 5737 6631	4933 5826 6720	4128 5022 5916 6809	$\begin{array}{c} 4217 \\ 5111 \\ 6005 \\ 6899 \end{array}$	6988	4396 5290 6184 7078	4486 5380 6273 7167		
4861 62 63 64 65	8150 9043 9936 687 0828	$\begin{array}{c} 8239 \\ \underline{9132} \\ \overline{0025} \\ 0918 \end{array}$	$\frac{9221}{0114}$ 1007	$\frac{9311}{0204}$ 1096	1186	$\begin{array}{r} 8596 \\ 9489 \\ \hline 0382 \\ 1275 \end{array}$	1364	$\begin{array}{c} \overline{0561} \\ 1453 \end{array}$	$\begin{array}{c} 8864 \\ 9757 \\ \hline 0650 \\ 1543 \end{array}$	$\frac{9846}{0739}$ 1632		
66 67 68 69 70	2613 3506 4398 5290	1810 2703 3595 4487 5379	2792 3684 4576 5468	2881 3773 4665 5557	3863 4755 5646	3060 3952 4844 5735	4041 4933 5825	$\begin{array}{c} 5022 \\ 5914 \end{array}$	3327 4219 5111 6003	4309 5200 6092	89	9
4871 72 73 74 75	7073 7964 8855	6270 7162 8053 8944 9835	$7251 \\ 8142 \\ 9033$	$7340 \\ 8231 \\ 9123$	$\begin{array}{c} 7429 \\ 8321 \end{array}$	8410 9301	7608 8499	$6805 \\ 7697 \\ 8588 \\ \underline{9479} \\ \overline{0370}$	7786 8677 9568	9657	1 2 3 4 5	9 18 27 36 45 53
76 77 78 79 80	$\frac{2418}{3308}$		$1706 \\ 2596 \\ 3486$	$1795 \\ 2685 \\ 3575$	$\begin{array}{c} 1884 \\ 2774 \end{array}$	1973 2863 3753	$\frac{2062}{2952}$	1260 2151 3041 3931 4821	$2240 \\ 3130 \\ 4020$	2329 3219 4109	7 8	62 71 80
4881 82 83 84 85	5978 6867 7757	5177 6067 6956 7845 8735	6156 7045 7934	$6245 \\ 7134$	$6334 \\ 7223$	6423 7312 8201	$\begin{array}{c} 6511 \\ 7401 \end{array}$	5711 6600 7490 8379 9268	$6689 \\ 7579$	6778 7668		
86 87 88 89 90	689 0423 1312 2200	9624 0512 1401 2289 3177	$0601 \\ 1490 \\ 2378$	$0690 \\ 1579 \\ 2467$	$\begin{array}{c} 0779 \\ 1667 \end{array}$	$0868 \\ 1756 \\ 2645$	$0957 \\ 1845 \\ 2733$		1134 2023 2911	1223 2112 3000		
4891 92 93 94 95	4864 5752	4065 4953 5841 6728 7616	$\begin{array}{c} 5042 \\ 5930 \end{array}$	5131 6018 6906	$\begin{array}{c} 6107 \\ 6995 \end{array}$	5308 6196 7083	5397 6285 7172	6373	5575 6462 7350	5663 6551 7438		
96 97 98 99 4900	9301 690 0188 1074	3503 9390 0276 1163 2049	$9478 \\ 0365 \\ 1252$	9567 0454 1340	$9656 \\ 0542 \\ 1429$	9744 0631 1518	$9833 \\ 0720 \\ 1606$	9035 9922 0808 1695 2581	$0010 \\ 0897 \\ 1784$	$\begin{array}{c} \overline{0099} \\ 0986 \\ 1872 \end{array}$		0

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
4900 01 02 03 04 05	3733 4619 5505	2049 2936 3822 4708 5593 6479	3024 3910 4796 5682	3113 3999 4885 5770	3201 4087 4973 5859	3290 4176 5062 5947	3379 4265 5150 6036	3467 4353 5239	3556 4442 5327 6213	$\begin{array}{c} 5416 \\ 6302 \end{array}$	-
06 07 08 09 10	8161 9046 9930 691 0815		$8338 \\ \underline{9223} \\ \overline{0107} \\ 0992$	$8426 \\ 9311 \\ \hline 0196 \\ 1080$	$8515 \\ 9399 \\ \hline 0284 \\ 1169$	8603 9488 $\overline{0373}$ 1257	$\begin{array}{r} 8692 \\ 9576 \\ \hline 0461 \\ 1346 \end{array}$	7895 8780 9665 0550 1434	$8869 \\ 9753 \\ \hline 0638 \\ 1522$	$8957 \\ 9842 \\ \hline 0726 \\ 1611$	
4911 12 13 14 15	3468 4352 5235	5324	2760 3644 4528 5412	2849 3733 4617 5500	3821 4705 5589	3026 3910 4793 5677	3114 3998 4882 5765	2318 3202 4086 4970 5854	3291 4175 5058 5942	3379 4263 5147 6030	
16 17 18 19 20	9651	7090 7974 8857 9739	7179 8062 8945 9828	7267 8150 9033 9916	$7355 \\ 8238 \\ \underline{9121} \\ \overline{0004}$	$7444 \\ 8327 \\ 9210 \\ \hline 0092$	$\frac{8415}{9298} \\ \hline 0181$	$7620 \\ 8503 \\ 9386 \\ \hline 0269$	7709 8592 9474 0357	$7797 \\ 8680 \\ 9563 \\ 0445$	88
4921 22 23 24 25	2298 3180 4062	1504 2387 3269 4151	1593 2475 3357 4239	1681 2563 3445 4327	1769 2651 3533 4415	2739 3621 4503	1945 2828 3710 4591	1151 2034 2916 3798 4680	2122 3004 3886 4768	2210 3092 3974 4856	1 9 2 18 3 26 4 35
26 27 28 29 30	5826 6707	5032 5914 6795 7676 8557	$\begin{array}{c} 6002 \\ 6883 \end{array}$	$6090 \\ 6971 \\ 7853$	6178 7059 7941	6266 7148 8029 8910	6354 7236 8117 8998	8205 9086	$6531 \\ 7412 \\ 8293 \\ 9174$	6619 7500 8381 9262	7. 62 8 70 9 79
4931 32 33 34 35	693 0231 1111 1991	$\begin{array}{c} 9438 \\ 0319 \\ 1199 \\ 2079 \\ 2960 \end{array}$	$\begin{array}{c} 0407 \\ 1287 \\ 2167 \end{array}$	$0495 \\ 1375 \\ 2256$	$0583 \\ 1463 \\ 2344$	$0671 \\ 1551 \\ 2432$	$0759 \\ 1639 \\ 2520$	9967 0847 1727 2608 3488	$0935 \\ 1815 \\ 2696$	1023 1903 2784	
36 37 38 39 40	4631 5511 6390 7269	3839 4719 5599 6478 7357	4807 5687 6566 7445	4895 5775 6654 7533	4983 5863 6742 7621	5071 5951 6830	5159 6039 6918	1367 5247 6126 7006 7885	5335 6214 7094	$\frac{6302}{7182}$:
4941 42 43 44 45	9027 9906 694 0785,	8236 9115 9994 0872 1751	$\begin{array}{c} 9203 \\ \hline 0082 \\ 0960 \end{array}$	$\frac{9291}{0170}$ 1048	$\frac{9379}{0258}$ 1136	$\frac{9467}{0345}$ 1224	$\begin{array}{r} 9555 \\ \hline 0433 \\ 1312 \end{array}$	$\begin{array}{r} 8764 \\ \underline{9643} \\ 0521 \\ 1399 \\ 2278 \end{array}$	$\frac{9730}{0609} \\ 1487$	$\frac{9818}{0697}$ 1575	
46 47 48 49 4950	3419 4297 5175	2629 3507 4385 5262 6140	3595 4472 5350	3682 4560 5438	3770 4648 5526		3946 4824 5701	4034	4121 4999 5877	4209 5087 5964	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4950 51 52 53 54 55	7806 8683	7017 7894 8771 9648	7105 7982 8859 9735	7192 8069 8946 9823	8157 9034 9911	-8245 9122 9998	7456 8333 9209 0086		$7631 \\ 8508 \\ \underline{9385} \\ 0261$		
56 57 58 59 60	3065	2277 3153 4029	$\frac{2364}{3240}$	$2452 \\ 3328 \\ 4204$	$\frac{3416}{4291}$	2627 3503 4379	$3591 \\ 4467$	1926 2802 3678 4554 5430	2890	$\frac{3854}{4729}$	
4961 62 63 64 65	7443 8318	5780 6655 7530 8405 9280	$\begin{array}{c} 7618 \\ 8493 \end{array}$	6830 7705 8580	7793	7005 7880 8755		7180 8055 8930	7268 8143 9018	8230	
66 67 68 69 70	$1816 \\ 2690$	0155 1029 1903 2777 3651	1116 1991 2865	$\begin{array}{c} 1204 \\ 2078 \\ 2952 \end{array}$	1291 2166 3040	1379 2253 3127	$\begin{array}{c} 1466 \\ 2340 \end{array}$	$\begin{array}{c} 0679 \\ 1554 \\ 2428 \\ 3302 \\ 4176 \end{array}$	$\frac{1641}{2515}$	1728 2603 3477	87
4971 72 73 74 75	5311 6185 7058	4525 5399 6272 7145 8018	5486 6359 7232	5573 6447 7320	4787 5661 6534 7407 8280	$\begin{array}{c} 5748 \\ 6621 \end{array}$	$\begin{array}{c} 5835 \\ 6709 \end{array}$	5049 5923 6796 7669 8542	688 3	6097 6970 7844	1 9 2 17 3 26 4 35 5 44 6 52
76 77 78 79 80	$697 0549 \\ 1421$	8891 9764 0636 1508 2381	$9851 \\ 0723 \\ 1596$	$9938 \\ 0811 \\ 1683$		$\begin{array}{c} 9240 \\ \hline 01\overline{13} \\ 0985 \\ 1857 \\ 2729 \end{array}$	$\begin{array}{c} \overline{0200} \\ 1072 \\ 1945 \end{array}$	2032	$\begin{array}{c} 9502 \\ \hline 0374 \\ 1247 \\ 2119 \\ 2991 \end{array}$	2206	7 61 8 70 9 78
4981 82 83 84 85	4037 4909 5780	3253 4124 4996 5867 6739	4212 5083 5955	$4299 \\ 5170 \\ 6042$	3514 4386 5257 6129 7000		$\begin{array}{c} 4560 \\ 5432 \\ 6303 \end{array}$	3776 4647 5519 6390 7261	$\begin{array}{c} 4735 \\ 5606 \end{array}$	3950 4822 5693 6565 7436	
86 87 88 89 90	8394 9264 698 0135	7610 8481 9352 0222 1092	8568 9439 0309	$9526 \\ 0396$		$9700 \\ 0570$	8916 9787 0657	$\frac{9003}{9874}$	9090 9961 0831	$\begin{array}{c} \overline{0}\overline{0}\overline{48} \\ 0918 \end{array}$	
4991 92 93 94 95	2746 3616	1963 2833 3703 4572 5442	2920 3790	3007 3877 4746	2224 3094 3964 4833 5703	$\frac{4051}{4920}$	$\frac{3268}{4138}$	2485 3355 4224 5094 5964	3442 4311 5181	4398	
96 97 98 99 5000	7093 7963 8831	6311 7180 8049 8918 9787	7267 8136 9005	7354 8223 9092	7441 8310 9179	8397 9266	7615 8484 9353		7789 8658 9526	9613	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5000 01 02 03 04 05	$\frac{2305}{3173}$		$\begin{array}{c} 0742 \\ 1611 \\ 2479 \\ 3347 \end{array}$	$\begin{array}{c} 0829 \\ 1697 \\ 2565 \\ 3433 \end{array}$	0916 1784 2652 3520	1003 1871 2739 3607	1090 1958 2826 3694		1263 2131 2999 3867	1350 2218 3086 3954	
06 07 08 09 10	5776 6643 7510 8377	4995 5863 6730 7597 8464 9331	5949 6817 7684 8551	6036 6903 7770 8637	6990 7857 8724	6210 7077 7944 8811	6296 7163 8031 8897	5516 6383 7250 8117 8984 9851	6470 7337 8204 9071	6556 7424 8291 9157	
12 13 14 15	700 0111 0977 -1843 2709	0197 1064 1930 2796	0284 1150 2017 2883	0371 1237 2103 2969	0457 1324 2190 3056	$\begin{array}{c} 0544 \\ 1410 \\ 2276 \\ 3142 \end{array}$	0630 1497 2363 3229	0717 1583 2450 3316	0804 1670 2536 3402	0890 1757 2623 3489	
16 17 18 19 20	4441 5307 6172	3662 4528 5393 6258 7124	4614 5480 6345	$4701 \\ 5566 \\ 6432$	4787 5653 6518	4874 5739 6605	4960 5826 6691	4181 5047 5912 6778 7643	5133 5999 6864	5220 6085 6951	0.77
5021 22 23 24 25	8767 9632 701 0496	7989 8854 9718 0583 1447	$8940 \\ 9805 \\ 0669$	$9027 \\ 9891 \\ 0756$	9113 9978 0842	$\frac{9199}{0064}$	$\frac{9286}{0151}$ 1015	$\begin{array}{c} 8508 \\ \underline{9372} \\ \overline{0237} \\ 1101 \\ 1966 \end{array}$	$\begin{array}{r} 9459 \\ \hline 0323 \\ 1188 \end{array}$	$\frac{9545}{0410}$ 1274	87 1 9 2 17 3 26 4 35 5 44
26 27 28 29 30	3089 3953 4816	2311 3175 4039 4903 5766	$3262 \\ 4125 \\ 4989$	$3348 \\ 4212 \\ 5075$	3434 4298 5162	3521 4385 5248	3607 4471 5334	2830 3694 4557 5421 6284	3780 4644 5507	3866 4730 5594	6 52 7 61 8 70 9 78
5031 32 33 34 35	7406 8269 9132	$6629 \\ 7493 \\ 8356 \\ 9218 \\ \hline 0081$	7579 8442 9305	7665 8528 9391	7752 8614 9477	7838 8701 9563	7924 8787 9650	$7147 \\ 8010 \\ 8873 \\ \underline{9736} \\ \overline{0598}$	8097 8960 9822	$\begin{array}{c} 9046 \\ 9908 \end{array}$	
36 37 38 39 40	2582 3444	0943 1806 2668 3530 4392	1892 2754 3616	1978 2840 3702	2064 2926 3788	2151 3013 3874	2237 3099 3961	1461 2323 3185 4047 4909	2409 3271 4133	2495 3357 4219	
5041 42 43 44 45	6028 6890 7751	5253 6115 6976 7837 8698	6201 7062 7923	6287. 7148 8009	6373 7234	6459 7320 8181	6545 7406 8267	5770 6631 7492 8353 9214	6717 7579 8440	6804 /7665 8526	
46 47 48 49 5050	9472 703 0333 1193 2054	9559 0419 1279 2140	9645 0505 1366 2226	9731 0591 1452 2312	9817 0677 1538	9903 0763 1624 2484	$0849 \\ 1710 \\ 2570$	1796	1021 1882 2742	1107 1968 2828	

No.	0	1	2	3	4	5	6	7	8	9	Diff,
5050 51 52 53	703 2914 3774 4633	3000 3860	3086 3946	•	3258 4118 4977	3344	3430 4290 5149 6009	3516 4376 5235	3602 4461 5321 6181	-	
54 55 56	$6352 \\ 7212$	6438 7298 8157	$6524 \\ 7383$	6610 7469 8328		$6782 \\ 7641$	6868 7727 8586	6954 7813 8672	$7040 \\ 7899$	7126 7985 8844	-
57 58 59 60	8930 9788 704 0647	$9015 \\ 9874 \\ 0733$	$\begin{array}{c} 9101 \\ 9960 \end{array}$	9187	$\begin{array}{c} 9273 \\ \hline 0132 \\ 0990 \end{array}$	9359		$\begin{array}{c} 9531 \\ \hline 0389 \\ 1248 \end{array}$	$\begin{array}{c} 9617 \\ \hline 0475 \\ 1334 \end{array}$	$\frac{9702}{0561}$	
5061 62 63 64 65	$3221 \\ 4079 \\ 4937$	2449 3307 4165 5023 5880	$\begin{array}{c} \textbf{4251} \\ \textbf{5108} \end{array}$	2621 3479 4337 5194 6052	2707 3565 4422 5280 6137	$\frac{4508}{5366}$	2878 3736 4594 5452 6309		3908	4851	
66 67 68 69 70	8366	7595 8452 9309	9394	$7766 \\ 8623 \\ 9480$	6995 7852 8709 9566 0422	7080 7938 8795 9651 0508			$\begin{array}{c} 9052 \\ 9908 \end{array}$	9994	86
5071 72 73 74 75	$\frac{2649}{3505}$	$\begin{array}{c} 1878 \\ 2734 \end{array}$	$\begin{array}{c} 1107 \\ 1964 \\ 2820 \\ 3676 \\ 4532 \end{array}$	1193 2049 2905 3761 4617	2991	$\begin{array}{c} 1364 \\ 2221 \\ 3077 \\ 3933 \\ 4788 \end{array}$		$\begin{array}{c} 1536 \\ 2392 \\ 3248 \\ 4104 \\ 4959 \end{array}$	$\begin{array}{c} 3333 \\ 4189 \end{array}$	1707 2563 3419 4275 5131	1 9 2 17 3 26 4 34 5 43 6 52
76 77 78 79 80	$6927 \\ 7782$	5302 6157 7012 7868 8723	5387 6243 7098 7953 8808	8039	5558 6414 7269 8124 8979	5644 6499 7355 8210 9065	5729 6585 7440 8295 9150	$\begin{array}{c} 7526 \\ 8381 \end{array}$	8466	$\begin{array}{c} 7697 \\ 8552 \end{array}$	7 60 8 69 9 77
5081 82 83 84 85	$7060347\\1201\\2055$	9577 0432 1287 2141 2995	$\begin{array}{c} 1372 \\ 2226 \end{array}$	$\begin{array}{c} 0603 \\ 1457 \\ 2312 \end{array}$	$\frac{1543}{2397}$		$ \begin{array}{r} \hline{0005} \\ \hline{0859} \\ \hline{1714} \\ \hline{2568} \\ \hline{3422} \end{array} $	$0945 \\ 1799 \\ 2653$	1030 1885	1116 1970 2824	
86 87 88 89 90	6325	$\begin{array}{c} 5556 \\ 6410 \end{array}$	4788		4105 4959 5812 6666 7519		4276 5130 5983 6837 7690	$\begin{array}{c} 5215 \\ 6068 \\ 6922 \end{array}$		$\begin{array}{c} 6239 \\ 7092 \end{array}$	-
5091 92 93 94 95	8884 9737 707 0589 1442	8969 9822 0675 1527	$9055 \\ 9907 \\ 0760$	8287 9140 9993 0845 1698	$\overline{0078}$ 0930	$\frac{\overline{0163}}{1016}$	$\begin{array}{c} 8543 \\ \underline{9396} \\ \overline{0248} \\ 1101 \\ 1953 \end{array}$	$\begin{array}{c} 8628 \\ \underline{9481} \\ \overline{0334} \\ 1186 \\ 2039 \end{array}$	$8713 \\ \underline{9566} \\ 0419 \\ 1271 \\ 2124$		
96 97 98 99 5100	3146 3998 4850	2379 3232 4083 4935 5787	$3317 \\ 4169 \\ 5020$	5106	3487 4339 5191	3572 4424 5276	2805 3658 4509 5361 6213	$3743 \\ 4595 \\ 5446$	$3828 \\ 4680 \\ 5531$	5617	

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No.		0	1	2	3	4	5	6	7	8	9	Diff.
5100 01 02 03 04 05	7	6553 7405 8256 9107	$\begin{array}{c} 5787 \\ 6638 \\ 7490 \\ 8341 \\ \underline{9192} \\ \overline{0043} \end{array}$	$6724 \\ 7575 \\ 8426 \\ 9277$	$6809 \\ 7660 \\ 8511 \\ \underline{9362}$	6894 7745 8596 9447	6979 7830 8681 9532	$\begin{array}{c} 6213 \\ 7064 \\ 7915 \\ 8766 \\ \underline{9617} \\ \overline{0468} \end{array}$	$7149 \\ 8000 \\ 8851 \\ 9702$	$7234 \\ 8085 \\ 8936$	7319 8171 9022 9872	
06 07 08 09 10		1659 2509 3359 4209	$\begin{array}{c} 0893 \\ 1744 \\ 2594 \\ 3444 \\ 4294 \end{array}$	$\begin{array}{c} 1829 \\ 2679 \\ 3529 \\ 4379 \end{array}$	1914 2764 3614 4464	1999 2849 3699 4549	2084 2934 3784 4634	1318 2169 3019 3869 4719	2254 3104 3954 4804	2339 3189 4039 4889	2424 3274 4124 4974	
5111 12 13 14 15		6758 7607 845 6	5993 6843 7692 8541	6928 7777 8626	6163 7013 7862 8711	6248 7098 7947 8796	6333 7183 8032 8881	5569 6418 7268 8117 8966	6503 7352 8202 9051	6588 7437 8287 9136	6673 7522 8371 9220	
16 17 18 19 20	709	$0154 \\ 1003 \\ 1851 \\ 2700$	1088 1936 2784	0324 1173 2021 2869	0409 1257 2106 2954	0494 1342 2191 3039	$0579 \\ 1427 \\ 2275 \\ 3124$	$\begin{array}{c} 0663 \\ 1512 \\ 2360 \\ 3209 \end{array}$	0748 1597 2445 3293	0833 1682 2530 3378	$1766 \\ 2615 \\ 3463$	85
5121 22 23 24 25		4396 5244 6091 6939	3633 4481 5328 6176 7023	4565 5413 6261 7108	4650 5498 6345 7193	5583 6430 7278	4820 5667 6515 7362	5752 6600 7447	4989 5837 6684 7532	5074 5922 6769 7617	5159 6006 6854 7701	1 9 2 17 3 26 4 34 5 43 6 51
26 27 28 29 30	710	8633 9480 0327 1174	$9565 \\ 0412 \\ 1258$	8803 9650 0496 1343	8887 9734 0581 1428	8972 9819 0666 1512	9057 9904 0750 1597	$9988 \\ 0835 \\ 1682$	$\begin{array}{c} 9226 \\ \hline 0073 \\ 0920 \\ 1766 \end{array}$	$\begin{array}{r} 9311 \\ \hline 0158 \\ 1004 \\ 1851 \end{array}$	$\begin{array}{r} 9395 \\ \hline 0242 \\ 1089 \\ 1936 \end{array}$	7 60 8 68 9 77
5131 32 33 34 35		2866 3713 4559 5404	2105 2951 3797 4643 5489	3036 3882 4728 5574	3120 3966 4812 5658	3205 4051 4897 5743	3290 4136 4982 5827	$4220 \\ 5066 \\ 5912$	3459 4305 5151 5996	3543 4389 5235 6081	3628 4474 5320 6166	
36 37 38 39 40	-	7096 7941 8786	6335 7180 8026 8871 9716	37265 8110 8955	7349 8195 9040	7434 8279 9124	7518 8364 9209	$6757 \\ 7603 \\ 8448 \\ \underline{9293} \\ \overline{0138}$	7687 8533 9378	$8617 \\ 9462$	7856 8702 9547	
5141 42 43 44 45		$1321 \\ 2165 \\ 3010$		$1490 \\ 2334 \\ 3178$	1574 2419 3263	$1659 \\ 2503 \\ 3347$	$1743 \\ 2587 \\ 3432$	0983 1827 2672 3516 4360	$1912 \\ 2756 \\ 3601$	$1996 \\ 2841 \\ 3685$	2081 2925 3769	
46 47 48 49 5150	0	5542 6385 7229	4782 5626 6470 7313 8157	5710 6554 7398	5795 6638 7482	5879 6723 7566	5964 6807 7651	5204 6048 6892 7735 8578	6132 6976 7819	6217 7060 7904	6301 7145 7988	

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5150 51 52 53 54 55	$\begin{array}{r} 9759 \\ 7120601 \\ 1444 \end{array}$	9000 9843	9084 9927 0770 1613	$\begin{array}{c} 9168 \\ \hline 0011 \\ 0854 \\ 1697 \end{array}$	$\frac{9253}{0096}$	$\begin{array}{r} 9337 \\ \hline 0180 \\ 1023 \\ 1865 \end{array}$	$\begin{array}{r} 9421 \\ \hline 0264 \\ 1107 \\ 1950 \end{array}$	$\begin{array}{c} 8663 \\ \underline{9506} \\ 0349 \\ 1191 \\ 2034 \\ 2876 \end{array}$	$\begin{array}{c} 9590 \\ \hline 0433 \\ 1276 \\ 2118 \end{array}$	$\begin{array}{c} 9674 \\ \hline 0517 \\ 1360 \\ 2202 \end{array}$	
56 57 58 59 60	3971 4813 5655 6497	$\begin{array}{c} 5739 \\ 6581 \end{array}$	4140 4982 5824 6665	4224 5066 5908 6750	$\begin{array}{c} 5992 \\ 6834 \end{array}$	4392 5234 6076 6918	4477 5319 6160 7002	7086	4645 5487 6329 7170	4729 5571 6413 7254	
5161 62 63 64 65	8180 9021 9862 713 0703	$9946 \\ 0787$	$\begin{array}{c} 8348 \\ \underline{9189} \\ \overline{0031} \\ 0871 \end{array}$	$\begin{array}{c} 9274 \\ \hline 0115 \\ 0956 \end{array}$	$\begin{array}{c} \overline{0199} \\ 1040 \end{array}$	$\begin{array}{r} 8601 \\ \underline{9442} \\ 0283 \\ 1124 \end{array}$	$\overline{0367}$ 1208	$\begin{array}{r} 9610 \\ \hline 0451 \\ 1292 \end{array}$	$\begin{array}{r} 8853 \\ \underline{9694} \\ \overline{0535} \\ 1376 \end{array}$	$\frac{9778}{0619}$ 1460	
66 67 68 69 70	2385 3225 4065 4905	1628 2469 3309 4149 4989	2553 3393 4233 5073	2637 3477 4317 5157	1880 2721 3561 4401 5241	2805 3645 4485 5325	2889 3729 4569 5409	3813 4653 5493	3057 3897 4737 5577	3141 3981 4821 5661	84
5171 72 73 74 75	6585 7425 8264 9104	6669 7509 8348 9187	6753 7593 8432 9271	5997 6837 7677 8516 9355	6921 7761 8600 9439	7845 8684 9523	7089 7928 8768 9607	8012 8852 9691	$\begin{array}{c} 8936 \\ 9775 \end{array}$	6501 7341 8180 9020 9859	1 8 2 17 3 25 4 34 5 42 6 50
76 77 78 79 80	714 0782 1620 2459 3298	$\begin{array}{c} 0866 \\ 1704 \\ 2543 \\ 3381 \end{array}$	$\begin{array}{c} 0949 \\ 1788 \\ 2627 \\ 3465 \end{array}$	1872 2711 3549	1117 1956 2795 3633	$\begin{array}{c} 1201 \\ 2040 \\ 2878 \\ 3717 \end{array}$	1285 2124 2962 3801	0530 1369 2208 3046 3884	1453 2291 3130 3968	$2375 \\ 3214 \\ 4052$	7 59 8 67 9 76
5181 82 83 84 85	4974 5812 6650 7488	5058 5896 6734 7571	5142 5980 6817 7655	4387 5226 6063 6901 7739	5309 6147 6985 7823	5393 6231 7069 7906	6315 7153 7990		$5645 \\ 6482 \\ 7320$	$\begin{array}{c} 6566 \\ 7404 \end{array}$	
86 87 88 89 90	$\begin{array}{c} 9162 \\ 7150000 \end{array}$	$\begin{array}{c} 9246 \\ 0083 \\ 0920 \end{array}$	$9330 \\ 0167 \\ 1004$	8576 9414 0251 1088 1925	$9497 \\ 0335 \\ 1171$	$0418 \\ 1255 \\ 2092$	$\begin{array}{c} 9665 \\ 0502 \\ 1339 \\ 2176 \end{array}$	2259	$\begin{array}{c} 0669 \\ 1506 \\ 2343 \end{array}$	$\begin{array}{c} 1590 \\ 2427 \end{array}$	
5191 92 93 94 95	3347 74183 5019	$3430 \\ 4267 \\ 5103$	3514 4350 5187	2761 3598 4434 5270 6106	3681 4518 5354	3765 4601 5438	$3849 \\ 4685 \\ 5521$		$4016 \\ 4852 \\ 5688$	$4100 \\ 4936 \\ 5772$	
96 97 98 99 5200	$7527 \\ -8363$	$\begin{array}{c} 8446 \\ 9282 \end{array}$	7694 8530 9365	7778 8613 9449	$\begin{array}{c} 8697 \\ 9532 \end{array}$	7945 8780 9616	$8864 \\ 9699$	$\begin{array}{c} 8112 \\ 8948 \end{array}$	9031 9866	8279 9115 9950	

0200,											
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5200 01 02 03 04 05	$\frac{1703}{2538}$	0952 1787 2622 3456	1036 1870 2705 3540	0284 1119 1954 2789 3623 4458	1203 2037 2872 3707	1286 2121 2956 3790	$1370 \\ 2204 \\ 3039$	$2288 \\ 3123 \\ 3957$	$\begin{array}{c} 1537 \\ 2371 \\ 3206 \end{array}$	$\begin{array}{c} 1620 \\ 2455 \end{array}$	•
06 07 08 09 10 5211	5876 6710 7544 8377	5959 6793 7627 8461	6043 6877 7710 .8544	5292 6126 6960 7794 8627 9461	6209 7043 7877 8711	6293 7127 7960 8794	6376 7210 8044 8877	5626 6460 7293 8127 8961 9794	6543 7377 8211 9044	6626 7460 8294 9127	
12 13 14 15	717 0044 0877 1710 2543	$0127 \\ 0961 \\ 1794 \\ 2626$	0211 1044 1877 2710	$\begin{array}{c} 0294 \\ 1127 \\ 1960 \\ 2793 \end{array}$	$\begin{array}{c} 0377 \\ 1210 \\ 2043 \\ 2876 \end{array}$	0461 1294 2127 2959	0544 1377 2210 3043	$\begin{array}{c} 0627 \\ 1460 \\ 2293 \\ 3126 \end{array}$	$0711 \\ 1544 \\ 2377 \\ 3209$	0.794 1627 2460 3293	
16 17 18 19 20	4208 5041 5873 6705	4292 5124 5956 6788	4375 5207 6039 6871	6955	4541 5374 6206 7038	4625 5457 6289 7121	4708 5540 6372 7204	5623 6455 7287	4874 5707 6539 7371	4958 5790 6622 7454	83
5221 22 23 24 25	$\begin{array}{r} 9200 \\ 7180032 \\ 0863 \end{array}$	8452 9283 0115 0946	8535 9367 0198 1029	1112	8701 9533 0364 1195	8784 9616 0447 1279	8868 9699 0530 1362	9782 0614 1445	9034 9865 0697 1528	9117° 9949 0780 1611	1 8 2 17 3 25 4 33 5 42 6 50
26 27 28 29 30	2525 3356 4186 5017	2608 3439 4269 5100	2691 3522 4353 5183	$\begin{array}{c} 4436 \\ 5266 \end{array}$	2857 3688 4519 5349	2940 3771 4602 5432	3854 4685 5515	3107 3937 4768 5598		$\begin{array}{c} 4103 \\ 4934 \end{array}$	7 58 8 66 9 75
5231 32 33 34 35	6677 7507 8337 9167	6760 7590 8420 9250	6843 7673 8503 9333	6096 6926 7756 8586 9416	7009 7839 8669 9499	7092 7922 8752 9582	$\begin{array}{c} 8835 \\ 9665 \end{array}$	7258 8088 8°18 9748	7341 8171 9001 9830	8254 9084 9913	
36 37 38 39 40	719 0826 1655 2484 3313	0909 1738 2567 3396	$\begin{array}{c} 0992 \\ 1821 \\ 2650 \\ 3479 \end{array}$	1904 2733 3562	1157 1987 2816 3644	1240 2069 2898 3727	$\frac{2981}{3810}$	1406 2235 3064 3893	3147	1572 2401 3230	
5241 42 43 44 45	4970 5799 6627 7455	5053 5881 6710 7538	5136 5964 6792 7621	5219 6047 6875 7703	5302 6130 6958 7786	7041 7869	5467 6296 7124 7952	5550 6378 7207 8034	6461 7289 8117	5716 6544 7372 8200	1
46 47 48 49 5250	9111 9938 720 0766	$\frac{9193}{0021}$ 0848	$\frac{9276}{0104}$ 0931		$\begin{array}{c} 9442 \\ \hline 0269 \\ 1097 \end{array}$	$\begin{array}{r} 9524 \\ \hline 0352 \\ 1179 \end{array}$	$\begin{array}{c} 9607 \\ \hline 0435 \\ 1262 \end{array}$	$\begin{array}{c} 8862 \\ \underline{9690} \\ 0518 \\ 1345 \\ 2172 \end{array}$	$\begin{array}{c} 9773 \\ \hline 0600 \\ 1428 \end{array}$	$\frac{9856}{0683}$ 1510	

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No.		0	1	2	3	4	5	.6	7	8	9	Diff	:
5250 51 52 53 54 55		2420 3247 4074 4901	2503 3330 4157 4983	1758 2586 3413 4239 5066 5892	2668 3495 4322 5149	2751 3578 4405 5231	2834 3661 4487 5314	$\begin{array}{c} 2916 \\ 3743 \end{array}$	$\begin{array}{c} 4653 \\ 5479 \end{array}$	$3082 \\ 3909 \\ 4735 \\ 5562$	5645		
56 57 58 59 60		7380 8206 9032 9857	7462 8288 9114 9940	$\begin{array}{c} 8371 \\ \underline{9197} \\ 0023 \end{array}$	$7628 \\ 8454 \\ \underline{9279} \\ \overline{0105}$	$7710 \\ 8536 \\ \underline{9362} \\ 0188$	$\frac{8619}{9445} \\ \frac{9445}{0270}$	$7875 \\ 8701 \\ \underline{9527} \\ 0353$	$7958 \\ 8784 \\ \underline{9610} \\ 0\overline{435}$	$\frac{8867}{9692} \\ \hline{0518}$	0600	,	
5261 62 63 64 65		1508 2334 3159 3984	1591 2416 3241 4066	0848 1674 2499 3324 4149	1756 2581 3406 4231	2664 3489 4314	1921 2746 3571 4396	2004 2829 3654 4479	1261 2086 2911 3736 4561	2169 2994 3819 4644	2251 3076 3901 4726		
66 67 68 69 70		$5633 \\ 6458 \\ 7282$	$5716 \\ 6540 \\ 7364$	4973 5798 6623 7447 8271	$5881 \\ 6705 \\ 7529$	5963 6787 7612	6045 6870 7694 8518	6128 6952 7777 8601	7859 8683	6293 7117 7941 8765	6375 7200 8024	82	
5271 72 73 74 75	722	$9754 \\ 0578 \\ 1401$	$\begin{array}{c} 9836 \\ 0660 \\ 1484 \end{array}$	9095 9919 0742 1566 2389	$\begin{array}{c} \overline{0001} \\ 0825 \\ 1648 \end{array}$	$\overline{0084}$	$0166 \\ 0990 \\ 1813$	$\begin{array}{c} 1072 \\ 1895 \end{array}$	$\begin{array}{c} 9507 \\ \hline 0331 \\ 1154 \\ 1978 \\ 2801 \end{array}$	$\begin{array}{c} \overline{0413} \\ 1237 \\ 2060 \end{array}$	$0\overline{495} \\ 1319 \\ 2142$		5 3 1
76 77 78 79 80		$3871 \\ 4694 \\ 5517$	$\begin{array}{c} 4776 \\ 5599 \end{array}$	3212 4036 4858 5681 6504	$\begin{array}{c} 4941 \\ 5763 \end{array}$	$\begin{array}{c} 5023 \\ 5846 \end{array}$	$4282 \\ 5105 \\ 5928$	5188 6010	5270	4529 5352 6175	4612	7 5 8 6 9 7	7 6
5281 82 83 84 85	723	$\begin{array}{c} 7984 \\ 8806 \\ 9628 \end{array}$	$8888 \\ 9710$	7326 8148 8971 9792 0614	$9053 \\ 9875$	8313 9135 9957		$\overline{0121}$	$7737 \\ 8559 \\ 9382 \\ \hline 0203 \\ 1025$	$\begin{array}{r} 8642 \\ \underline{9464} \\ 0286 \end{array}$	$\frac{9546}{0368}$		
86 87 88 89 90	ł	$2093 \\ 2914 \\ 3736$	$\frac{2997}{3818}$	1436 2257 3079 3900 4721	$2340 \\ 3161 \\ 3982$	$\frac{3243}{4064}$	$2504 \\ 3325 \\ 4146$	$\frac{3407}{4228}$	2668	$\frac{3571}{4393}$	$2832 \\ 3654 \\ 4475$		
5291 92 93 94 95		6198 7019 7839	$\begin{array}{c} 6280 \\ 7101 \\ 7921 \end{array}$	5542 6362 7183 8003 8824	6445 7265 8085	$6527 \\ 7347 \\ 8167$	6609 7429 8250	$6691 \\ 7511$	5952 6773 7593 8414 9234	$6855 \\ 7675$	6937 7757 8578		
96 97 98 99 5300	724	$0300 \\ 1120 \\ 1939$	0382 1202 2021	0464 1283 2103	0546 1365 2185	9808 0628 1447 2267 3086	$0710 \\ 1529 \\ 2349$	$0792 \\ 1611 \\ 2431$	0054 0874 1693 2513 3332	$0956 \\ 1775 \\ 2595$	$1038 \\ 1857 \\ 2677$		

9900											
No.	. 0	1	2	3	4	5	6	7	8	9	Diff.
5300 01 02 03 04	4397 5216	3660 4479 5298	$3742 \\ 4561 \\ 5380$	3005 3824 4643 5462 6281	$3906 \\ 4725 \\ 5544$	3988 4807 5626	4070 4889 5708	3332 4151 4971 5790 6608	$4233 \\ 5052 \\ 5871$	4315 5134 5953	
05	6854	6936	7018	7099	7181	7263	7345	7427	7509	7591	
96 07 08 09	$\begin{array}{r} 8491 \\ 9309 \\ 7250127 \end{array}$	$8573 \\ 9391 \\ 0209$	$8655 \\ 9473 \\ 0291$	7918 8736 9555 0373 1191	$8818 \\ 9636 \\ 0454$	$8900 \\ 9718 \\ 0536$	$8982 \\ 9800 \\ 0618$	8245 9064 9882 0700 1518	$\begin{array}{c} 9964 \\ 0782 \end{array}$	$\begin{array}{c} 9227 \\ \hline 0045 \\ 0863 \end{array}$	
5311 12 13 14 15	2581 3398 4216	$2662 \\ 3480 \\ 4297$	2744 3562 4379	2008 2826 3643 4461 5278	$\begin{array}{c} 2908 \\ 3725 \\ 4542 \end{array}$	2989 3807 4624	3071 3889 4706	2335 3153 3970 4788 5605	$\begin{array}{c} 3235 \\ 4052 \end{array}$	$\begin{array}{c} 4134 \\ 4951 \end{array}$	
16 17 18 19 20	7483 8300	$6748 \\ 7565 \\ 8382$	$6830 \\ 7647 \\ 8463$	6095 6912 7728 8545 9361	6993 7810 8626	7075 7892 8708	$\begin{array}{c} 7157 \\ 7973 \end{array}$	$7238 \\ 8055 \\ 8871$		7402 8218 9035	00
5321 22 23 24 25	726 0749 1565 2380	$0830 \\ 1646 \\ 2462$	$0912 \\ 1728 \\ 2544$	0177 0994 1809 2625 3441	1075 1891 2707	1157 1973 2788	$\begin{array}{c} 1238 \\ 2054 \\ 2870 \end{array}$	$ \begin{array}{r} \overline{0504} \\ 1320 \\ 2136 \\ 2951 \\ 3767 \end{array} $	$1401 \\ 2217 \\ 3033$	$\frac{1483}{2299}$	
26 27 28 29 30	4827 5642 6457	$4908 \\ 5724 \\ 6539$	$4990 \\ 5805 \\ 6620$	4256 5072 5887 6702 7517	5153 5968 6783	5235 6050 6865	5316 6131 6946	4582 5398 6213 7028 7842	5479 6294 7109	5561 6376 7191	6 49 7 57 8 66 9 74
5331 32 33 34 35	$\begin{array}{r} 8901 \\ 9716 \\ 7270530 \end{array}$	8983 9797 0612	$9064 \\ 9879 \\ 0693$	8331 9146 9960 0774 1588	$\begin{array}{c} 9227 \\ \hline 0042 \\ 0856 \end{array}$	$\tfrac{9309}{0123}$	$\frac{9390}{0204}$ 1019	$8657 \\ \underline{9472} \\ 0286 \\ 1100 \\ 1914$	$\frac{9553}{0367} \\ 1181$	$\frac{9634}{0449}$ 1263	
36 37 38 39 40	2972 3786 4599	3053 3867 4681	$3135 \\ 3948 \\ 4762$	2402 3216 4030 4843 5657	3298 4111 4925	3379 4192 5006	3460 4274 5087		$3623 \\ 4437 \\ 5250$	3704 4518 5331	
5341 42 43 44 45	7039 7852 8664	7120 7933 8746	7201 8014 8827	6470 7283 8096 8908 9721	7364 8177 8990	7445 8258 9071	7527 8339 9152	$\begin{array}{c} 6795 \\ 7608 \\ 8421 \\ \underline{9233} \\ \overline{0046} \end{array}$	7689 8502 9315	7770 8583 9396	
46 47 48 49 5350	2726	1183 1995	1264 2076 2888	1346 2158 2970	$\begin{array}{c} 1427 \\ 2239 \\ 3051 \end{array}$	$\frac{2320}{3132}$	1589 2401 3213	$\begin{array}{c} 1670 \\ 2482 \end{array}$	1752 2564 3375	$\begin{array}{c} 2645 \\ 3457 \end{array}$	

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No.	0	1	2	3	4	· 5	6	7	8	9	Diff.
5350 51 52 53 54 55	5161 5972 6784 7595	4431 5242 6054 6865 7676	$6946 \\ 7757$	4593	5486 6297 7108 7919	4755 5567 6378 7189	4025 4836 5648 6459 7270 8081	5729 6540 7351 8162	4999 5810 6621 7433	5891 6703 7514	
56 57 58 59 60	$\begin{array}{c} 9216 \\ 7290027 \end{array}$	0919	$9379 \\ 0189 \\ 1000$	0270	1162	8811 9622 0432 1243 2053		$9784 \\ 0594 \\ 1405$	$\begin{array}{c} 9865 \\ 0675 \end{array}$	$\begin{array}{c} 0757 \\ 1567 \end{array}$	
5361 62 63 64 65	4078	2539 3349 4159 4969 5778	3430 4240 5050	2701 3511 4321 5131 5940		2863 3673 4483 5292 6102	$\begin{array}{c} 4564 \\ 5373 \end{array}$	3835	$\begin{array}{c} 4726 \\ 5535 \end{array}$	$\begin{array}{c} 3997 \\ 4807 \end{array}$	
66 67 68 69 70	8125 8934	7397 8206	7478 8287 9096	6749 7559 8368 9177 9985	$6830 \\ 7640 \\ 8449 \\ \underline{9258} \\ 0066$	$6911 \\ 7721 \\ 8530 \\ \underline{9338} \\ 0147$			9581	8044 8853 9662	81
5371 72 73 74 75		0632 1441 2249 3057 3865	0713 1522 2330 3138 3946	0794 1603 2411 3219 4027	1683	0956 1764 2573 3381 4189		1118 1926 2734 3542 4350	2815		1 8 2 16 3 24 4 32 5 41 6 49
76 77 78 79 80	6208 7015	5481 6289 7096	4754 5562 6369 7177 7984	$\begin{array}{c} 6450 \\ 7258 \end{array}$	4916 5723 6531 7338 8146	$6612 \\ 7419$	5077 5885 6692 7500 8307	$\begin{array}{c} 6773 \\ 7581 \end{array}$	7661	$6935 \\ 7742$	7 57 8 65 9 73
5381 82 83 84 85	8630 9437 731 0244 1051 1857	9518 0324 1131	9598	1292	$9760 \\ 0567 \\ 1373$	$0647 \\ 1454$	9114 9921 0728 1534 2341	$\begin{array}{c} 0809 \\ 1615 \end{array}$		$\begin{array}{c} 9356 \\ \hline 0163 \\ 0970 \\ 1776 \\ 2583 \end{array}$	
86 87 88 89 90	4276 5082	$3550 \\ 4356 \\ 5162$	2825 3631 4437 5243 6049	$3712 \\ 4518 \\ 5324$	$\begin{array}{c} 4598 \\ 5404 \end{array}$	3067 3873 4679 5485 6291	3147 3953 4759 5565 6371	$\frac{4840}{5646}$	3309 4115 4921 5727 6532	5001 5807	
5391 92 93 94 95	7499 8304 9109	7579 8385 9190	$\begin{array}{c} 6854 \\ 7660 \\ 8465 \\ \underline{9270} \\ 0075 \end{array}$	7740 8546 9351	$8626 \\ 9431$	7096 7902 8707 9512 0317	$7177 \\ 7982 \\ 8787 \\ \underline{9592} \\ 03\overline{97}$	$7257 \\ 8063 \\ 8868 \\ 9673 \\ \hline 0478$	$7338 \\ 8143 \\ 8948 \\ 9753 \\ \hline 0558$	$7418 \\ 8224 \\ 9029 \\ \underline{9834} \\ 0639$	
96 97 98 99 5400	2329 3133	$1605 \\ 2409 \\ 3214$	0880 1685 2490 3294 4098	$1766 \\ 2570 \\ 3375$	1846 2651 3455	1122 1927 2731 3535 4340	1202 2007 2812 3616 4420	1283 2087 2892 3696 4501	1363 2168 2972 3777 4581	1444 2248 3053 3857 4661	-

5400				>					_		
No.	0	1	2	3	4	5	6	7	8	9	Diff.
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06 07 08 09 10	8760 9564 7 33 0367 1170	8841 9644 0447	8921 9724 0527 1330	9001 9805 0608 1411	9082 9885 0688 1491	9162 9965 0763 1571	$\begin{array}{c} 9242 \\ \hline 00^{4}6 \\ 0849 \\ 1652 \end{array}$	$\frac{9323}{0126}$ 0929	$\begin{array}{r} 9403 \\ \hline 0206 \\ 1009 \\ 1812 \end{array}$	$9483 \over 0287 \\ 1090 \\ 1892 \\ 2695$	i.
5411 12 13 14 15	4380 5183	2856 3658 4461 5263 6065	3738 4541 5343	3819 4621 5423	$\begin{array}{c} 4701 \\ 5503 \end{array}$	$4781 \\ 5584$	$\begin{array}{c} 4862 \\ 5664 \end{array}$	3337 4140 4942 5744 6546	3417 4220 5022 5824 6626	3498 4300 5102 5904 6706	
16 17 18 19 20	8390 9192 9993	$7669 \\ 8470 \\ \underline{9272} \\ 0073$	$7749 \\ 8550 \\ \underline{9352} \\ 0153$	$8630 \\ \underline{9432} \\ 0233$	$\begin{array}{r} 8711 \\ \underline{9512} \\ \overline{0313} \end{array}$	$7989 \\ 8791 \\ \underline{9592} \\ 0393$	$\begin{array}{r} 8871 \\ \underline{9672} \\ 0474 \end{array}$	$\frac{9752}{0554}$	9031 9833	9111 9913	80
5421 22 23 24 25	$\frac{2396}{3197}$	$\begin{array}{c} 1675 \\ 2476 \end{array}$	$1755 \\ 2556 \\ 3357$	1835	1115 1916 2716 3517 4318	1996 2796 3597		1355 2156 2957 3757 4558	1435 2236 3037 3837 4638	1515 2316 3117 3917 4718	1 8 2 16 3 24 4 32 5 40 6 48
26 27 28 29 30	5598 6398 7198	$\begin{array}{c} 5678 \\ 6478 \end{array}$	$\begin{array}{c} 6558 \\ 7358 \end{array}$	$5838 \\ 6638 \\ 7438$	7518		$6078 \\ 6878 \\ 7678$	5358 6158, 6958 7758 8558	$\begin{array}{c} 7038 \\ 7838 \end{array}$	6318 7118 7918	7 . 56 8 64 9 72
5431 32 33 34 35	9598 735 0397 1196	9678	$\begin{array}{c} 0557 \\ 1356 \end{array}$	$9837 \\ 0637 \\ 1436$	9118 9917 0717 1516 2315	9997 0797 1596	$\begin{array}{c} \overline{0077} \\ 0877 \end{array}$	$\begin{array}{c} 9358 \\ \hline 0157 \\ 0957 \\ 1756 \\ 2555 \end{array}$	$\begin{array}{c} \overline{0237} \\ 1036 \end{array}$	$\begin{array}{c} \overline{0317} \\ 1116 \end{array}$,
36 37 38 39 40	3593 4392 5191	2874 3673 4472 5270 6069	3753 4552 5350	3833 4632 5430	4711 5510	3993 4791 5590	4073 4871 5670	3354 4152 4951 5749 6548	$\begin{array}{c} 5031 \\ 5829 \end{array}$	4312 5111 5909	
5441 42 43 44 45	9181	$\begin{array}{c} 6867 \\ 7665 \\ 8463 \\ \underline{9261} \\ 0059 \end{array}$	7745 8543 9341	9420	9500	7984	8064 8862 9660		8224 9022 9819	9101 9899	
46 47 48 49 5450	2371 3168	0856 1653 2451 3248 4045	1733 2530 3327	1813 2610 3407	1893 2690 3487	1175 1972 2770 3567 4363	$2052 \\ 2849 \\ 3646$	2929	1414 2212 3009 3806 4602	2291 3088 3885	-

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56 57 58 59 60	9540 737 0335 1131 1926	$\begin{array}{c} 9619 \\ 0415 \\ 1210 \\ 2006 \end{array}$	$\begin{array}{c} 1290 \\ 2086 \end{array}$	$\begin{array}{c} 9778 \\ 0574 \\ 1370 \\ 2165 \end{array}$	9858 0654 1449 2245	9937 0733 1529 2324	$00\overline{17} \\ 0813 \\ 1608 \\ 2404$	$\begin{array}{c} 9301 \\ \hline 0097 \\ 0892 \\ 1688 \\ 2483 \end{array}$	$ \begin{array}{r} \hline 0176 \\ 0972 \\ 1767 \\ 2563 \end{array} $	0256 1051 1847 2642	- 4
5461 62 63 64 65	\$517 \$24 \$107 \$107 \$902	$3596 \\ 4392 \\ 5186 \\ 5981$	$4471 \\ 5266 \\ 6061$	3755 4550 5345 6140	3835 4630 5425 6220	3914 4709 5504 6299	3994 4789 5584 6378		4153 4948 5743 6537	4233 5027 5822 6617	
66 67 68 69 70	7491 8285 9079 9873	7570 8364 9159 9953	$\begin{array}{c} 8444 \\ \underline{9238} \\ \overline{0032} \end{array}$	$7729 \\ 8523 \\ \underline{9317} \\ 0111$	7808 8603 9397 0191	$7888 \\ 8682 \\ \underline{9476} \\ 0270$	$\tfrac{9556}{0350}$	$\begin{array}{c} 8047 \\ 8841 \\ \underline{9635} \\ \overline{0429} \end{array}$	$\frac{9714}{0508}$	$\begin{array}{c} 8206 \\ 9000 \\ \underline{9794} \\ \overline{0588} \end{array}$	79
5471 72 73 74 75	2254 3048	$\begin{array}{c} 1540 \\ 2334 \end{array}$	$1620 \\ 2413 \\ 3207$	2493	1778 2572 3365	$1858 \\ 2651$	$\begin{array}{c} 1937 \\ 2731 \\ 3524 \end{array}$	1223 2016 2810 3603 4396	$\begin{array}{c} 2096 \\ 2889 \end{array}$	$2175 \\ 2969 \\ 3762$	1 8 2 16 3 24 4 32 5 40 6 47
76 77 78 79 80	5427 6220 7013	6300	$5586 \\ 6379 \\ 7172$	4872 5665 6458 7251 8043	6537	5824 6617 7409	$\begin{array}{c} 6696 \\ 7489 \end{array}$	5982	$\begin{array}{c} 6854 \\ 7647 \end{array}$	$6141 \\ 6934 \\ 7726$	7 55 8 63 9 71
5481 82 83 84 85	9390 7390182 0974	$9470 \\ 0262 \\ 1054$	8756 9549 0341 1133 1925	$\begin{array}{c} 9628 \\ 0420 \\ 1212 \end{array}$	$9707 \\ 0499 \\ 1291$	$9786 \\ 0578 \\ 1370$	$\begin{array}{c} 9866 \\ 0658 \\ 1450 \end{array}$	9153 9945 0737 1529 2321	$\begin{array}{c} \overline{0024} \\ 0816 \\ 1608 \end{array}$	$\begin{array}{c} \overline{0103} \\ 0895 \\ 1687 \end{array}$	
86 87 88 89 90	3350 4141 4932	$\begin{array}{c} 4220 \\ 5011 \end{array}$	2716 3508. 4299 5091 5882	$\begin{array}{c} 4378 \\ 5170 \end{array}$	$3666 \\ 4458 \\ 5249$	3745 4537 5328	$3824 \\ 4616 \\ 5407$	3112 3904 4695 5486 6277	$3983 \\ 4774 \\ 5565$	4062 4853 5644	`
5491 92 93 94 95	7305 8096 8887	7384 8175 8966	6673 7463 8254 9045 9835	$7543 \\ 8333 \\ 9124$	$7622 \\ 8412 \\ 9203$	$\begin{array}{c} 7701 \\ 8491 \end{array}$	$7780 \\ 8570 \\ 9361$	$7068 \\ 7859 \\ 8649 \\ \underline{9440} \\ 0230$	7938 8728 9519	8017 8808 9598	
96 97 98 99 5500	2047 2837	$1336 \\ 2126 \\ 2916$	0625 1415 2205 2995 3785	1494 2284 3074	1573 2363 3153	$1652 \\ 2442 \\ 3232$	$1731 \\ 2521 \\ 3311$	1020 1810 2600 3390 4180	$1889 \\ 2679 \\ 3469$	$1968 \\ 2758 \\ 3548$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5500 01 02 03 04 05	5206 5995 6784 7573	4495 5285 6074 6863 7652	4574 5364 6153 6942 7731	4653 5443 6232 7021 7810	4732 5522 6311 7100 7889	54811 (5601 6390 7179 7968	4890 5679 6469 7258 8047	5758 6548 7337 8125	5048 5837 6626 7415 8204	5127 5916 6705 7494 8283	
06 07 08 09 10	$\begin{array}{c} 9151 \\ 9939 \\ 7410728 \\ 1516 \end{array}$	$\begin{array}{c} 9230 \\ \hline 0018 \\ 0807 \\ 1595 \end{array}$	$\begin{array}{c} 9308 \\ \hline 0097 \\ 0885 \\ 1674 \end{array}$	1752	$\begin{array}{c} 9466 \\ \hline 0255 \\ 1043 \\ 1831 \end{array}$	$\begin{array}{r} 9545 \\ \hline 0334 \\ 1122 \\ 1910 \end{array}$	$\begin{array}{c} 9624 \\ \hline 0412 \\ 1201 \\ 1989 \end{array}$	0491 1280 2068	$9782 \\ 0570 \\ 1358 \\ 2146$	$\begin{array}{c} 9860 \\ \hline 0649 \\ 1437 \\ 2225 \end{array}$	
5511 12 13 14 15	3092 3880 4668	3171° 3959 4746	$3250 \\ 4037 \\ 4825$	2541 3328 4116 4904 5691	$3407 \\ 4195 \\ 4983$	$3486 \\ 4274 \\ 5061$	3565 4353 5140	2856 3644 4431 5219 6006	$3722 \\ 4510 \\ 5298$	3801 4589 5376	
16 17 18 19 20	7030 7817 8604	7109 7896 8683	7187 7974 8761	$\begin{array}{c} 6479 \\ 7266 \\ 8053 \\ 8840 \\ 9627 \end{array}$	7345 8132 8919	$7423 \\ 8210 \\ 8997$	7502 8289 9076	6794 7581 8368 9155 9941	7660 8447 9233	$7738 \\ 8525 \\ 9312$	79
5521 22 23 24 25	$1750 \\ 2537$	$1043 \\ 1829 \\ 2615$	$1121 \\ 1908 \\ 2694$	0413 1200 1986 2773 3559	$\begin{array}{c} 1279 \\ 2065 \\ 2851 \end{array}$	1357 2144 2930	$\begin{array}{c} 1436 \\ 2222 \\ 3008 \end{array}$	0728 1515 2301 3087 3873	$1593 \\ 2379 \\ 3166$	1672 2458 3244	1 8 2 16 3 24 4 32 5 40
26 27 28 29 30	75680 6466	$4973 \\ 5759 \\ 6544$	$5052 \\ 5837 \\ 6623$	5130	$5209 \\ 5995 \\ 6780$	5288: 6073 6859	5366 6152 6937	4659 5445 6230 7016 7801	5523 6309 7094	$6387 \\ 7173$	6 47 7 55 8 63 9 71
5531 32 33 34 35	$\begin{array}{c} 9607 \\ 7430392 \end{array}$	8900 9685 0470	8979 9764 0549	$\begin{array}{c} 9057 \\ 9842 \end{array}$	$9136 \\ 9921 \\ 0705$	9214 9999 0784	$\begin{array}{c} 9293 \\ \hline 0078 \\ 0862 \end{array}$	$\begin{array}{c} 8586 \\ \underline{9371} \\ \overline{0156} \\ 0941 \\ 1725 \end{array}$	$\begin{array}{c} 9450 \\ \hline 0235 \\ 1019 \end{array}$	$\frac{9528}{0313}$ 1098	
36 37 38 39 40	3530 4314	$2824 \\ 3608 \\ 4392$	2902 3686 4470	2196 2981 3765 4549 5333	$3059 \\ 3843 \\ 4627$	$\begin{array}{c} 3137 \\ 3922 \end{array}$	$3216 \\ 4000 \\ 4784$	2510 3294 4078 4862 5646	3373 4157 4941	3451 4235 5019	
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46 47 48 49 5550	2147	0660 1443 2226	$\begin{array}{c} 0738 \\ 1521 \\ 2304 \end{array}$	0817 1599 2382	0895 71678	0190 0973 1756 2539 3321	$1051 \\ 1834 \\ 2617$	1130 1912	1208 1991 2773	$\begin{array}{c} 1286 \\ 2069 \\ 2852 \end{array}$	

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No.		0	1	2	3	4	5	6	7	8	9	Diff.
5550 51 52 53 54 55	52 60	12 95 77 59	3791 4573 5355 6137	3869 4651	3947 4729 5511 6293	4025 4807 5590 6372 7153	4103 4886 5668 6450	3399 4182 4964 5746 6528 7310	$4260 \\ 5042 \\ 5824 \\ 6606$	4338 5120 5902 6684	4416 5199 5981	
56 57 58 59 60	84 91 99 745 07	04 85 67 48	8482 9264 0045 0826	$\begin{array}{c} 8560 \\ \underline{9342} \\ \overline{0123} \\ 0904 \end{array}$	$\begin{array}{c} \overline{0201} \\ 0982 \end{array}$	$8717 \\ 9498 \\ \hline 0279 \\ 1060$	8795 9576 0357 1138	1217	$8951 \\ \underline{9732} \\ \overline{0514} \\ 1295$	$\begin{array}{c} 9029 \\ \underline{9810} \\ \overline{0592} \\ 1373 \end{array}$	$\begin{array}{c} 9107 \\ 9889 \\ \hline 0670 \\ 1451 \end{array}$	
5561 62 63 64 65	30 38 46	10 : 91 : 71 : 52 :	2388 3169 3949 4730	4808	2544 3325 4105 4886	2622 3403 4183 4964	$\begin{array}{c} 4261 \\ 5042 \end{array}$	3559 4340 5120	2856 3637 4418 5198	2934 3715 4496 5276	3013 3793 4574 5354	
66 67 68 69 70	62 69 77 ,85	12 6 92 7 72 7 52 8	5290 7070 7850 8630	5588 6368 7148 7928 8708	6446 7226 8006 8786	7304 8084 8864	7382 8162 8942	5900 6680 7460 8240 9020	6758 7538 8318 9098	6836 7616 8396 9176	6914 7694 8474 9254	78
5571 72 73 74 75	746 01: 08: 16:	11 (90 (70 1	0189 0968 1748	$0267 \\ 1046$	$\begin{array}{c} 1124 \\ 1903 \end{array}$	$0423 \\ 1202 \\ 1981$	$0501 \\ 1280 \\ 2059$	9799 0579 1358 2137 2916	$\begin{array}{c} 0657 \\ 1436 \\ 2215 \end{array}$	$0735 \\ 1514 \\ 2293$	$0813 \\ 1592 \\ 2371$	1 8 2 16 3 23 4 31 5 39 6 47
76 77 78 79 80	400 473 550 63	06 :4 85 4 64 5	1084 1863 5641 5420	4162 4941 5719 6498	5019 5797 6575	4318 5097 5875 6653	4396 5174 5953	3695 4474 5252 6031 6809	4552 5330 6108	$4629 \\ 5408 \\ 6186$	4707 5486	7 55 8 62 9 70
5581 82 83 84 85	78: 86'	98 7 76 8 54: 9	7976 3754 9532	7276 8054 8832 9610 0387	8132 8910 9687	8210 8987	9065 9843	8365	$9221 \\ 9998$	$\frac{9299}{0076}$	$8598 \\ 9376 \\ \hline 0154$	
86 87 88 89 90	178 256 334	37 1 34 2 41 3	864 8642 8419	1165 1942 2719 3497 4273	$2020 \\ 2797 \\ 3574$	$\begin{array}{c} 2875 \\ 3652 \end{array}$	2175 2953 3730	1476 2253 3030 3807 4584	2331 3108 3885	2409 3186 3963	2486 3263 4040	
5591 92 93 94 95	56' 64' 72:	$72/5 \\ 48/6 \\ 25/7$	749 : 526 : 7302	5050; 5827; 6603 7380 8156	5905 6681 7458	5982 6759 7535	6060 6836 7613	5361 6138 6914 7690 8467	$\begin{array}{c} 6215 \\ 6992 \end{array}$	6293 7069 7846	6371 7147	
96 97 98 99 5600	95 748 03:	53 9 29 0 05 1	9631 ⁴ 9407 118 2		9786 0562 1337	9863 0639 1415	9941		$ \begin{array}{r} \overline{0096} \\ 0872 \\ 1648 \end{array} $	$0\overline{174} \\ 0950 \\ 1725$	$0251 \\ 1027 \\ 1803$	

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5600 01 02 03 04 05	3431 4206 4981	2733 3509 4284 5059	2035 2811 3586 4361 5136 5911	2888 3664 4439 5214	$2966 \\ 3741 \\ 4516 \\ 5291$	3043 3819 4594 5369	3121 3896 4671	3198 3974 4749 5524	2501 3276 4051 4826 5601 6376	3354 4129° 4904	
06 07 08 09 10	7306 8080 8854	7383 8157 8932	6686 7460 8235 9009 9783	7538 8312 9087	$7615 \\ 8390 \\ 9164$	7693 8467 9242	$\begin{array}{c} 8545 \\ 9319 \end{array}$	$\begin{array}{c} 8622 \\ 9396 \end{array}$	7925 8700 9474	8777	
5611 12 13 14 15	1950 2724 3498	1254 2028 2801 3575	$1331 \\ 2105 \\ 2879 \\ 3652$	$1409 \\ 2183 \\ 2956 \\ 3730$	1486 2260 3034 3807	1564 2337 3111 3884	1641 2415 3188 3962	1718 2492 3266 4039	$1796 \\ 2569 \\ 3343 \\ 4116$	2647 3420 4194	
16 17 18 19 20	5044 5817 6590 7363	5122 5895 6668 7440	4426 5199 5972 6745 7518	5276 6049 6822 7595	5353 6127 6899 7672	5431 6204 6977 7750	5508 6281 7054 7827	5585 6358 7131 7904	4890 5663 6436 7209 7981	5740 6513 7286 8059	77
5621 22 23 24 25	8908 9681 750 0453 1225	8986 9758 0530 1302	1380	9140 9913 0685 1457	$\begin{array}{c} 9217 \\ 9990 \\ 0762 \\ 1534 \end{array}$	$\frac{9295}{0067}$ 0839 1611	$\begin{array}{c} 9372 \\ \hline 0144 \\ 0916 \\ 1688 \end{array}$	$\begin{array}{r} 9449 \\ \hline 0221 \\ 0994 \\ 1766 \end{array}$	1843	9604	1 8 2 15 3 23 4 31 5 39
26 27 28 29 30	2769 3541 4312	2846 3618 4390	2152 2924 3695 4467 5238	$3001 \\ 3772 \\ 4544$	$3078 \\ 3850 \\ 4621$	3155 3927 4698	$\begin{array}{c} 4004 \\ 4775 \end{array}$	3309 4081 4853	2615 3387 4158 4930 5701	3464 4235 5007	6 46 7 54 8 62 9 69
5631 32 33 34 35	6626 7398 8168	6704 7475 8246	6010 6781 7552 8323 9093	$6858 \\ 7629 \\ 8400$	6935 7706 8477	7012 7783 8554	7089 7860 8631	7166 7937 8708	6472 7243 8014 8785 9556	7320 8091 8862	-
36 37 38 39 40	$7510480\\1251\\2021$	$0557 \\ 1328 \\ 2098$	9864 0634 1405 2175 2945	$0711 \\ 1482 \\ 2252$	$0789 \\ 1559 \\ 2329$	0866 1636 2406	$0943 \\ 1713 \\ 2483$	$1020 \\ 1790 \\ 2560$	0326 1097 1867 2637 3407	1174 1944 2714	
5641 42 43 44 45	2 4331 5101 5870	4408 5177 5947	$\begin{array}{c} 5254 \\ 6024 \end{array}$	$4562 \\ 5331 \\ 6101$	4639 5408	4716 5485 6255	$4793 \\ 5562 \\ 6332$	$4870 \\ 5639 \\ 6409$	4177 4947 5716 6486 7255	5024 5793 6563	•
46 47 48 49 5650	8178 8947	8255 9024 9793	9101	8409 9178 9946	$\begin{array}{c} 8485 \\ 9254 \\ \hline 0023 \end{array}$	$\begin{array}{r} 8562 \\ 9331 \\ 40100 \end{array}$	$\begin{array}{c} 8639 \\ \underline{9408} \\ 0177 \end{array}$	$8716 \\ \underline{9485} \\ \overline{0254}$	$\begin{array}{c} 8024 \\ 8793 \\ \underline{9562} \\ 0331 \\ 1099 \end{array}$	$8870 \\ 9639 \\ \hline 0408$	

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56 57 58 59 60	5862 6629 7397	5171 5939 6706 7474 8241	$6015 \\ 6783 \\ 7550$	$\begin{array}{c} 6092 \\ 6860 \\ 7627 \end{array}$	$6169 \\ 6936 \\ 7704$	6246		6399 7167 7934	6476 7243 8011	6553 7320 8088	
5661 62 63 64 65	$\begin{array}{r} 9699 \\ 7530466 \\ 1232 \end{array}$		$\begin{array}{c} 9852 \\ 0619 \\ 1386 \end{array}$	$\begin{array}{c} 9929 \\ 0696 \\ 1462 \end{array}$	$\begin{array}{c} \overline{0005} \\ 0772 \\ 1539 \end{array}$	$0082 \\ 0849 \\ 1616$	$\begin{array}{c} 9392 \\ \hline 0159 \\ 0926 \\ 1692 \\ 2459 \end{array}$	$0236 \\ 1002 \\ 1769$	$\begin{array}{c} \overline{0312} \\ 1079 \\ 1846 \end{array}$	$0\overline{389} \\ 1156 \\ 1922$	
66 67 68 69 70	3532 4298 5065	2842 3609 4375 5141 5907	$3685 \\ 4452 \\ 5218$	$3762 \\ 4528 \\ 5294$	$3839 \\ 4605 \\ 5371$	3915 4682 5448	3226 3992 4758 5524 6290	$4069 \\ 4835 \\ 5601$	$4145 \\ 4911 \\ 5677$	$\begin{array}{c} 4222 \\ 4988 \\ 5754 \end{array}$	77
5671 72 73 74 75	7362 8128 8893	5673 7439 8204 8970 9735	7515 8281 9046	$7592 \\ 8357 \\ 9123$	7668 8434 9199	7745 8511 9276	$7056 \\ 7822 \\ 8587 \\ \underline{9353} \\ 0118$	7898 8664 9429	7975 8740 9506	8051 8817 9582	1 8 2 15 3 23 4 31 5 39
76 77 78 79 80	$1954 \\ 2719$	$\begin{array}{c} 1265 \\ 2030 \end{array}$	1342 2107 2872	1418 2183 2948	$1495 \\ 2260 \\ 3025$	1571 2336 3101	0883 1648 2413 3178 3942	1724 2489 3254	$1801 \\ 2566 \\ 3330$	$1877 \\ 2642 \\ 3407$	6 46 7 54 8 62 9 69
5681 82 83 84 85	5012 5777 6541		$5165 \\ 5929 \\ 6694$	$5242 \\ 6006 \\ 6770$	6846	5394 6159 6923	4707 5471 6235 6999 7763	$6311 \\ 7076$	$5624 \\ 6388 \\ 7152$	$5700 \\ 6464 \\ 7228$	
86 87 88 89 90	8832 9596 755 0359	$\begin{array}{c} 8909 \\ 9672 \end{array}$	$8985 \\ 9749 \\ 0512$	$9061 \\ 9825 \\ 0588$	0665	$9978 \\ 0741$	$\begin{array}{c} 8527 \\ \underline{9290} \\ 0054 \\ 0817 \\ 1581 \end{array}$	$\frac{9367}{0130}$ 0894	$\frac{9443}{0207}$	$\frac{9520}{0283}$ 1046	
5691 92 93 94 95	2649 3412 -4175		2802 3564 4327	$2878 \\ 3641 \\ 4403$	4480	3030 3793 4556	2344 3107 3870 4632 5395	3183 3946 4709	3259 4022 4785	$3336 \\ 4098 \\ 4861$	
96 97 98 99 5700	6462 7224 7987	6538 7301 8063	6615 7377 8139	6691 7453 8215		6843 7606 8368	6157 6920 7682 8444 9206	6996 7758 8520	7072 7834 8596	7148 7910 8672	

No.	0	1	2	3	4	5	6	7	8	9	Diff
5700 01 02 03 04 05	$7560272\\1034\\1795$	$\begin{array}{c} 9587 \\ 0348 \\ 1110 \end{array}$	9663 0424 1186 1947	$\begin{array}{c} 9739 \\ 0501 \\ 1262 \\ 2024 \end{array}$	9815 0577 1338	$0653 \\ 1414 \\ 2176$	9967 0729 1491 2252	$\begin{array}{c} 9282 \\ \hline 0044 \\ 0805 \\ 1567 \\ 2328 \\ 3089 \end{array}$	$ \begin{array}{r} \hline 0120 \\ 0881 \\ 1643 \\ 2404 \end{array} $	0196 0958 1719 2480	
06 07 08 09	3318 4079 4840 5600	$3394 \\ 4155$	3470 4231 4992 5753	3546 4307	3622 4383 5144 5905	3698 4459 5220 5981	$3774 \\ 4535 \\ 5296$	3850 4611 5372 6133	3927 4687 5448 6209	$4003 \\ 4764 \\ 5524$	
5711 12 13 14 15	8642	8718 9478	7274 8034 8794 9554 0314	$\begin{array}{c} 8870 \\ 9630 \end{array}$	8186 8946 9706	$9022 \\ 9782$	$\begin{array}{c} 8338 \\ 9098 \end{array}$	7654 8414 9174 9934 0694	$8490 \\ 9250$	$\begin{array}{c} 8566 \\ \underline{9326} \\ \overline{0086} \end{array}$	
16 17 18 19 20	$1682 \\ 2442 \\ 3201$	$\begin{array}{c} 1758 \\ 2517 \\ 3277 \end{array}$	1074 1834 2593 3353 4112	$1910 \\ 2669 \\ 3429$	$\begin{array}{c} 1986 \\ 2745 \\ 3505 \end{array}$	$2062 \\ 2821 \\ 3581$	$2897 \\ 3657 \\ 4416$	2214 2973 3733 4492	3049 3808 4568	2366 3125 3884 4644	76
5721 22 23 24 25	5479 6237 6996	5554 6313 7072	4871 5630 6389 7148 7907	$5706 \\ 6465 \\ 7224$	$\begin{array}{c} 5782 \\ 6541 \end{array}$	$6617 \\ 7376$	5934 6693 7451	5251 6010 6769 7527 8286	$6086 \\ 6845 \\ 7603$	$6162 \\ 6920 \\ 7679$	1 2 1 3 2 4 3 5 3
26 27 28 29 30	$758 \\ 0030 \\ 0788$	$9348 \\ 0106 \\ 0864$	8665 9423 0182 0940 1698	$9499 \\ 0258 \\ 1016$	9575 0333 1091	$9651 \\ 0409 \\ 1167$	9727 0485 1243	9044 9803 0561 1319 2077	$9878 \\ 0637 \\ 1395$	$9954 \\ 0712 \\ 1470$	6 4 7 5 8 6 9 6
5731 32 33 34 35	3062 3819 4577	3138 3895 4653	2456 3213 3971 4728 5486	$3289 \\ 4047 \\ 4804$	3365 4122 4880	3441 4198 4956	$\frac{3516}{4274}$	2835 3592 4350 5107 5864	$\frac{3668}{4425}$	4501	
36 37 38 39 40	6848 7605 8362	6924 7681 8438	6243 7000 7757 8514 9270	7076 7832 8589	7151 7908 8665	7227 7984 8741	7303 8060 8816	6621 7378 8135 8892 9649	7454 8211 8968	6773 7530 8287 9043 9800	
5741 42 43 44 45	759 0632 1388 2144	0708 1464 2220	0027 0783 1539 2296 3052	0859 1615 2371	0934 1691 2447	$\begin{array}{c} 1010 \\ 1766 \\ 2522 \end{array}$	$1086 \\ 1842 \\ 2598$	$\overline{0405}$ 1161 1917 2674 3429	1237 1993 2749	$\frac{1313}{2069}$	
46 47 48 49 5750	4412 5168 5923	4488 5243 5999	5319	4639 5394 6150	4714 5470 6225	4034 4790 5545 6301	$4865 \\ 5621 \\ 6376$	$4941 \\ 5696 \\ 6452$	$\begin{array}{c} 5016 \\ 5772 \end{array}$	5848 6603	

No.	0	1	2	3	4	5	6	7	8	9	Diff.	١
5750 51 52 53 54 55	8189 8944	7509 8264 9019 9774	7585 8340 9095 9850	7660 8415 9170 9925	$7736 \\ 8491 \\ \underline{9246} \\ \overline{0000}$	$7056 \\ 7811 \\ 8566 \\ \underline{9321} \\ 0076 \\ 0831$	$\begin{array}{c} 8642 \\ 9397 \\ \hline 0151 \end{array}$	$\begin{array}{c} 7207 \\ 7962 \\ 8717 \\ \underline{9472} \\ 0227 \\ 0981 \end{array}$	$\begin{array}{c} 7283 \\ 8038 \\ 8793 \\ \underline{9548} \\ \overline{0302} \\ 1057 \end{array}$	9623		
56 57 58 59 60	1208 1962 2717 3471 4225	3546	$2113 \\ 2867 \\ 3622$	$\begin{array}{c} 2189 \\ 2943 \end{array}$	1510 2264 3018 3772 4526		1661 2415 3169 3923 4677		1811 2566 3320 4074 4828	$\frac{2641}{3395}$		
5761 62 63 64 65	$6486 \\ 7240$	5054 5808 6562 7315 8068	$\begin{array}{c} 6637 \\ 7390 \end{array}$	$5959 \\ 6712 \\ 7466$		6109 6863 7616	5431 6185 6938 7692 8445	5506 6260 7014 7767 8520	$\begin{array}{c} 7089 \\ 7842 \end{array}$	5657 6411 7164 7918 8671		
66 67 68 69 70	$\begin{array}{c} 9500 \\ 7610253 \end{array}$	9575	$\begin{array}{c} 0403 \\ 1156 \end{array}$	$9725 \\ 0478 \\ 1231$	1307	$0629 \\ 1382$	9951	$\begin{array}{c} 9274 \\ \hline 0027 \\ 0780 \\ 1532 \\ 2285 \end{array}$	$\begin{array}{c} 0855 \\ 1608 \end{array}$		75	
5771 72 73 74 75	$\frac{4016}{4768}$	2586 3338 4091 4843 5595	$\begin{array}{c} 4166 \\ 4918 \end{array}$	$3489 \\ 4241 \\ 4993$	2812 3564 4316 5069 5821	$\frac{4392}{5144}$	2962 3715 4467 5219 5971	$\bf 5294$	$\begin{array}{c} 4617 \\ 5369 \end{array}$	3188 3940 4693 5445 6197	1 8 2 15 3 23 4 30 5 38	3
76 77 78 79 80	6272 7024 7775 8527 9278	6347 7099 7851 8602 9354	7174 7926 8677	6497 7249 8001 8752 9504	6573 7324 8076 8828 9579	8151 8903	6723 7475 8226 8978 9729	6798 7550 8301 9053 9804	$\begin{array}{c} 7625 \\ 8377 \end{array}$	6948 7700 8452 9203 9955	6 45 7 53 8 60 9 68	1
5781 82 83 84 85	$1532 \\ 2283$	0105 0856 16070 2358 3109	0931 1682 2433	$\begin{array}{c} 1757 \\ 2508 \end{array}$	0330 1081 1832 2583 3334	$\begin{array}{c} 1907 \\ 2658 \end{array}$	0480 1232 1982 2733 3484	$\begin{array}{c} 2058 \\ 2808 \end{array}$	0631 1382 2133 2883 3634			
86 87 88 89 90	4535 5285 6035	3859 4610 5360 6111 6861	$4685 \\ 5435 \\ 6186$	$\begin{array}{c} 5510 \\ 6261 \end{array}$	4835	$\frac{4910}{5660}$	4235 4985 5735 6486 7236	4310 5060 5810 6561 7311	5885	4460 5210 5960 6711 7461		
5791 92 93 94 95	8286 9035	7611 8361 9110 9860 0609	8435 9185 9935	$7761 \\ 8510 \\ \underline{9260} \\ 0010 \\ 0759$	$\frac{9335}{0085}$	$\tfrac{9410}{0160}$	$7986 \\ 8735 \\ \underline{9485} \\ 0235 \\ 0984$		$\frac{9635}{0385}$			
96 97 98 99 5800	2033 2782 3531	1359 2108 2857 3606 4355	$2183 \\ 2932 \\ 3681$	$2258 \\ 3007 \\ 3756$	$\begin{array}{c} 3082 \\ 3831 \end{array}$	1658 2408 3157 3906 4654	3980		4130	$\frac{3456}{4205}$		
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No.	(0	1	2	3.	4	5	6	7	8	9	Diff.
5800 01 02 03 04 05	57 65 72	29 77 326 274	5104 5852 6601 7349	4430 5178 5927 6675 7424 8172	5253 6002 6750 7499	5328 6077 6825 7573	5403 6151 6900 7648	4729 5478 6226 6975 7723 8471	5553 6301 7050 7798	5628 6376 7124 7873	5702 6451 7199 7947	
06 07 08 09 10	$\begin{array}{c} 95 \\ 76402 \\ 10 \\ 17 \end{array}$	618 266 014 761	9593 0341 1089 1836	$\begin{array}{c} 1163 \\ 1911 \end{array}$	9743 0490 1238 1986	9817 0565 1313 2060	9892 0640 1388 2135	9219 9967 0715 1462 2210	0042 0789 1537 2285	0117 0864 1612 2359	$ \begin{array}{r} 0\overline{191} \\ 0939 \\ 1687 \\ 2434 \end{array} $	• •
5811 12 13 14 15	32 40 47 54	256 003 750 197	$3331 \\ 4078 \\ 4825$	2658 3406 4153 4906 5647	$3480 \\ 4227 \\ 4974$	3555 4302 5049 5796	3630 4377 5124 5871	2957 3704 4451 5198 5945 6692	3779 4526 5273 6020	3854 4601 5348 6095	3929 4676 5423 6169	
16 17 18 19 20 5821	69 77 84 92	091 737 484 230	7065 7812 8558 9304	7140	7215 7961 8707 9454	7289 8036 8782 9528	7364 8110 8857 9603	7439 8185 8931 9678 $\overline{0424}$	7513 8260 9006 9752	7588 8334 9081 9827	7663 8409 9155 9901	74
22 23 24 25	765 07 14 22 29	722 168 214 959	$\begin{array}{c} 0797 \\ 1542 \\ 2288 \\ 3034 \end{array}$		$\begin{array}{c} 0946 \\ 1692 \\ 2437 \\ 3183 \end{array}$	$1020 \\ 1766 \\ 2512 \\ 3258$	1095 1841 2586 3332	1170 1915 2661 3407 4152	1244 1990 2736 3481	1319 2065 2810 3556	1393 2139 2885 3630	1 7 2 15 3 22 4 30 5 37 6 44
26 27 28 29 30	44 51 59 66	150 195 941 386	$\begin{array}{c} 4525 \\ 5270 \\ 6015 \\ 6760 \end{array}$	$\begin{array}{c} 4599 \\ 5344 \\ 6090 \\ 6835 \end{array}$	4674 5419 6164 6909	4748 · 5493 6239 6984	4823 5568 6313 7058	4897 5643 6388 7132	4972 5717 6462 7207	5046 5792 6537 7281	5121 5866 6611 7356	7 52 8 59 9 67
5831 32 33 34 35	81 89 96 766 04	175 920 364 409	8250 8994 9739 0483	7579 8324 9069 9813 0557	8399 9143 9888 0632	$\begin{array}{c} 8473 \\ 9218 \\ 9962 \\ 0706 \end{array}$	$\begin{array}{r} 8547 \\ \underline{9292} \\ \overline{0036} \\ 0781 \end{array}$	$7877 \\ 8622 \\ \underline{9366} \\ 0111 \\ 0855$	$\begin{array}{c} 8696 \\ \underline{9441} \\ \overline{0185} \\ 0930 \end{array}$	8771 9515 0260 1004	$\begin{array}{c} 8845 \\ 9590 \\ \hline 0334 \\ 1078 \end{array}$	
36 37 38 39 40	18 26 33 41	897 841 885 128	1971 2715 3459 4203	1302 2046 2790 3534 4277	2120 2864 3608 4352	2195 2938 3682 4426	2269 3013 3757 4500	4575	2418 3162 3905 4649	2492 3236 3980 4723	2567 3310 4054 4798	
5841 42 43 44 45	56 63 73 78	616 359 102 845	5690 6433 7176 7919	7994	5839 6582 7325 8068	5913 6656 7399 8142	5987 6730 7474 8217		6136 6879 7622 8365	6210 6953 7697 8440	6285 7028 7771	-
46 47 48 49 5850	767 00 01	331 074 816	9405 0148 0890	9479 0222 0965	9554 0296 1039	8885 9628 0371 1113 1856	9702 0445 1187	9034 9777 0519 1262 2004	$9851 \\ 0593 \\ 1336$	$9925 \\ 0668 \\ 1410$	$\begin{array}{c} 0742 \\ 1484 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5850 51 52 53 54 55	767 1559 2301 3043 3785 4527 5269	$2375 \\ 3117 \\ 3859$	$\begin{array}{c} 2449 \\ 3192 \\ 3934 \\ 4676 \end{array}$	$3266 \\ 4008 \\ 4750$	$\begin{array}{c} 2598 \\ 3340 \\ 4082 \end{array}$	2672 3414 4156 4898	$2746 \\ 3488 \\ 4230$	$\begin{array}{c} 2078 \\ 2821 \\ 3563 \\ 4305 \\ 5046 \\ 5788 \end{array}$	$\begin{array}{c} 2895 \\ 3637 \end{array}$	2969 3711 4453	
56 57 58 59 60	6752 7494 8235	7568	$6901 \\ 7642 \\ 8383$	6975 7716 8457	6307 7049 7790 8531 9273	8606	$\begin{array}{c} 7197 \\ 7938 \end{array}$	$\begin{array}{c} 6530 \\ 7271 \\ 8013 \\ 8754 \\ 9495 \end{array}$		7420 8161 8902	
5861 62 63 64 65	768 0458 1199 1940	$\begin{array}{c} 9791 \\ 0532 \\ 1273 \\ 2014 \\ 2754 \end{array}$	$\begin{array}{c} 0606 \\ 1347 \\ 2088 \end{array}$	$0680 \\ 1421 \\ 2162$	0754	$0829 \\ 1569 \\ 2310$	1643	3198	$ \begin{array}{r} 03\overline{10} \\ 1051 \\ 1791 \\ 2532 \\ 3273 \end{array} $	1125	
66 67 68 69 70	4161 4901 5641	3495 4235 4975 5715 6455	4309 5049 5789	$4383 \\ 5123 \\ 5863$	$5937 \\ 6677$	4531 5271 6011 6751	$5345 \\ 6085 \\ 6825$	4679 5419 6159 6899	5493 6233 6973	4087 4827 5567 6307 7047	74
5871 72 73 74 75	7860 8600 9339 7690079		8008 8748 9487 0227	8082 8822 9561 0300	7417 8156 8896 9635 0374	8230 8970 9709 0448	$\begin{array}{c} 9044 \\ 9783 \\ 0522 \end{array}$	8378 9118 9857 0596	$9192 \\ 9931 \\ 0670$	$\begin{array}{c} \overline{0005} \\ 0744 \end{array}$	1 7 2 15 3 22 4 30 5 37 6 44
76 77 78 79 80	1557 2296 3035 3773	0892 1631 2370 3108 3847	1705 2444 3182 3921	$\begin{array}{c} 1779 \\ 2517 \\ 3256 \\ 3995 \end{array}$	1114 1852 2591 3330 4069	1926 2665 3404 4143	$2000 \\ 2739 \\ 3478 \\ 4216$		2148 2887 3626 4364	2222 2961 3699 4438	7 52 8 59 9 67
5881 82 83 84 85	5250 5988 6727 7465	7538	5398 6136 6874 7612	5472 6210 6948 7686	6284 7022 7760	5619 6358 7096 7834	7169 7907	5767 6505 7243 7981	5841 6579 7317 8055	6653 7391 8129	
86 87 88 89 90	8940 9678 770 0416 1153	1227	9088 9826 0563 1300	9162 9899 0637 1374	$\begin{array}{c} 0711 \\ 1448 \end{array}$	$\begin{array}{r} 9309 \\ \hline 0047 \\ 0784 \\ 1522 \end{array}$	$\begin{array}{c} 0858 \\ 1595 \end{array}$	$\begin{array}{c} 9457 \\ \hline 0194 \\ 0932 \\ 1669 \end{array}$	$\begin{array}{r} 9530 \\ \hline 0268 \\ 1005 \\ 1743 \end{array}$	$034\overline{2}$ 1079 1817	
5891 92 93 94 95	2627 3364 4101 4838	1964 2701 3438 4175 4912	2775 3512 4249 4985	2849 3585 4322 5059	3659 4396 5133	$2996 \\ 3733 \\ 4470$	$3070 \\ 3807 \\ 4543$	2406 3148 3880 4617 5354	3217 3954 4691	3291	
96 97 98 99 5900	6311 7048 7784	5648 6385 7121 7858 8594	6459 -7195 -7931	$\begin{array}{c} 6532 \\ 7269 \\ 8005 \end{array}$	7342 8078	$7416 \\ 8152$	$6753 \\ 7489 \\ 8226$	$6827 \\ 7563$	$6900 \\ 7637 \\ 8373$	6974 7710 8447	

No.	0	1	2	3	4	5	6	7	8	9	Diff
5900 01 02 03 04 05	$\begin{array}{r} 9992 \\ 7710728 \\ 1463 \end{array}$	$\frac{9330}{0066}$	$\begin{array}{c} 9403 \\ \hline 0139 \\ 0875 \\ 1611 \end{array}$	$\frac{9477}{0213}$ 0949	$\begin{array}{c} 9551 \\ \hline 0286 \\ 1022 \\ 1758 \end{array}$	$\begin{array}{r} 9624 \\ \hline 0360 \\ /1096 \\ 1831 \end{array}$	$\begin{array}{c} 9698 \\ \hline 0434 \\ 1169 \\ 1905 \end{array}$	$\begin{array}{r} 9771 \\ \hline 0507 \\ 1243 \\ 1978 \end{array}$		$\begin{array}{c} 9918 \\ \hline 0654 \\ 1390 \\ 2125 \end{array}$	
06 07 08 09 10	3670 4405 5140	3743 4478 5213	3081 3817 4552 5287 6022	$3890 \\ 4625 \\ 5360$	3964 4699 5434	4037 4772 5507	4111 4846 5581	4184 4919 5654	3523 4258 4993 5728 6463	4331 5066 5801	
5911 12 13 14 15	6610 7344 8079	6683 7418 8152 8887	6757 7491 8226	6830 7565 8299 9034	6903 7638 8373 9107	6977 7712 8446 9180	7050 7785 8519 9254	7124 7858 8593 9327	$7197 \\ 7932 \\ 8666 \\ 9401 \\ \hline 0135$	7271 8005 8740 9474	
16 17 18 19 20	$1750 \\ 2483$	$1089 \\ 1823 \\ 2557$	1162	1236 1970 2704	1309 2043 2777	1383 2117 2850	$\begin{array}{c} 1456 \\ 2190 \\ 2924 \end{array}$	$\begin{array}{c} 1529 \\ 2263 \\ 2997 \end{array}$		1676 2410 3144	73
5921 22 23 24 25	4684 5417 6150	$\begin{array}{c} 4757 \\ 5491 \end{array}$	4097 4831 5564 6297 7030	$\frac{4904}{5637}$	4977 5711 6444	5051 5784 6517	5124 5857 6590	5197 5931 6664	4537 5271 6004 6737 7470	5344 6077 6810	1 2 1 3 2 4 2 5 3
26 27 28 29 -30	8349 9082	8423 9155 9888		$\frac{8569}{9302} \\ \hline 0034$	$\begin{array}{r} 8642 \\ \underline{9375} \\ \overline{0107} \end{array}$	$\frac{9448}{0181}$	$8789 \\ 9521 \\ \hline 0254$	$8862 \\ 9595 \\ \hline 0327$	78935	$\frac{9009}{9741} \\ \hline 0474$	6 4 7 5 8 5 9 6
5931 32 33 34 35	2011 2743 3475	$2817 \\ 3549$	1426 2158 2890 3622 4354	$\frac{2963}{3695}$	2304 3036 3768	2377 3109 3841	2451 3183 3915	2524 3256 3988	1865 (2597 3329 4061 4793	2670 3402 4134	
36 37 38 39 40	6402 7133	5744 6475 7206	5817 6548 7280	5890 6621 7353	5963 6694 7426	6036 6768	$6109 \\ 6841 \\ 7572$	6183 6914 7645	6987 7718	6329 7060 7791	
5941 · 42 43 44 45	9326 774 0057 0788	9400 /0130 0861	9473 0203 0934	9546 0277 1007	9619 0350 1080	0 8961 7 9692 4 0423 2 1153 4 1884	$\begin{array}{c} 9765 \\ 0496 \\ 1226 \end{array}$	$9838 \\ 0569 \\ 1299$	9911 0642 1372	9984 0715 1446	
46 47 48 49		3052 3783	3125 3856	3198 3929	$\begin{array}{c} 3271 \\ 4002 \end{array}$	2614 43345 /4075 4805	3418 4148	3491 4221	3564 4294	3637 4367	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5950 51 52 53 54 55	6629 7359 8088	5243 5972 6702 7432 8 8161 8 8891	6045 6775 7505 8234	6118 6848 7578 8307	6191 6921 7651 8380	$6264 \\ 6994 \\ 7724$	6337 7067 7797 8526	8599	$6483 \\ 7213 \\ 7942 \\ 8672$	6556 7286 8015 8745	to(
56 57 58 59 60	775 0276 1005 1734	9620 3 0349 3 1078 4 1807 3 2535	$0422 \\ 1151 \\ 1880$	$0495 \\ 1224 \\ 1952$	$0568 \\ 1297 \\ 2025$	$0641 \\ 1369 \\ 2098$	$0713 \\ 1442 \\ 2171$	0057 0786 1515 2244 2973	$0859 \\ 1588 \\ 2317$	$0932 \\ 1661 \\ 2390$	
5961 62 63 64 65	3920 4648 5376	3264 3993 4721 5449 6177	$4065 \\ 4794 \\ 5522$	4138 4867 5595	4211 4939 5668	$4284 \\ 5012 \\ 5740$	4357 5085 5813	3701 4430 5158 5886 6614	4502 5231 5959	$4575 \\ 5304 \\ 6032$	
66 67 68 69 70	7560 8288 9010	2 6905 7633 8 8361 6 9089 3 9816	7706 8434 9161	7779 8506 9234	$\begin{array}{c} 8579 \\ 9307 \end{array}$	7924 8652 9380	7997 8725 9452	$\begin{array}{r} .7342 \\ 8070 \\ 8798 \\ \underline{9525} \\ 0253 \end{array}$	8143 8870 9598	$8215 \\ 8943 \\ 9671$	7.9
5971 72 73 74 75	192 265	1 0543 3 1271 5 1998 27 2725 9 3452	1343 2071 2798	1416 2143 2870	$1489 \\ 2216 \\ 2943$	$\begin{array}{c} 1562 \\ 2289 \\ 3016 \end{array}$	1634 2361 3088	$\frac{2434}{3161}$	$1780 \\ 2507 \\ 3234$	1125 1852 2579 3306 4033	73 1 7 2 15 3 22 4 29 5 37
76 77 78 79 80	4833 5559 628	6 4179 8 4905 9 5632 6 6358 2 7084	4978 5704 6431	5051 5777 6503	5123 5850 6576	$5196 \\ 5922 \\ 6649$	$5269 \\ 5995 \\ 6721$	5341 6068 6794	5414 6140 6867	4760 5486 6213 6939 7665	6 44 7 51 8 58 9 66
5981 82 83 84 85	846 919	8 7811 4 8537 0 9263 6 9988 2 0714	$\begin{array}{r} 8609 \\ 9335 \\ \hline 0061 \end{array}$	$\frac{8682}{9408} \\ \hline 0134$	$\frac{8754}{9480} \\ \hline 0206$	$\frac{8827}{9553}\\ \hline{0279}$	$\frac{8900}{9626}$	8972 9698 0424	$9045 \\ 9771 \\ \hline 0496$	$8391 \\ 9117 \\ 9843 \\ \hline 0569 \\ 1295$	-
86 87 88 89 90	209 281 354	7 1440 3 2165 8 2890 3 3616 8 4341	2238 2963 3688	2310 3035 3761	2383 3108 3833	2455 3181 3906	2528 3253 3978	$\frac{3326}{4051}$	2673 3398 4123	2020 2745 3471 4196 4921	
5991 92 93 94 95	571 644 716	3 5066 8 5791 3 6515 7 7240 2 7964	5863 6588 7312	5935 6660 7385	6008 6733 7457	6080 6805 7530	$6153 \\ 6878 \\ 7602$	5501 6225 6950 7675 8399	6298 7022 7747		
96 97 98 99 6000	934 778 006 4 078	6 8689 0 9413 5/0137 9 0861 3 1585	9485 0209 1 0933	9558 0282 1006	$9630 \\ 0354 \\ 1078$	9703 0427 1151	$9775 \\ 0499 \\ 1223$	$9847 \\ 0571 \\ 1295$	$9920 \\ 0644 \\ 1368$	9268 9992 0716 1440 2164	

No.	0	1	2	3	4	5	6_	7	8	9	Diff.
7	778 1513	_	_	_	-20	-		•	2092	-	Din.
6000 01		2309							2815		
02		3032						3466			
03		3756							4262		
04		4479				4768			4985	5058	
05		5202			5419	5492		*5636			
06						6215			6432	6504	
07	6576				6866			7082	7155	7227	
08		7372				7661			7877		
09	8022	8094			8311				8600		
10	8745	8817						9251	9323	9395	
6011	9467	9540	9619	9684	9756	9829	9901	5973	$\overline{0}\overline{0}\overline{4}\overline{5}$	0117	
12	779 0190					0551			0768		
13		0984							1490		
14		1706							2212		
15		2429				2717			2934		
16	3078	3150	3223	3295	3367	3439	3511	3584	3656	3728	-
17		3872						4305	4377	4450	
18		4594					4955		5099		
19		5316				5604					
20	5965	6037	6109	6181	6253	6326	6398	6470	6542	6614	7.0
6021	6686	6758	6831	6903	6975	7047	7119	7191	7263	7335	72
22		7480					7840		7984		1 7 2 14
23		8201						8633		8778	3 22
24		8922							9426		4 29
25	9571	9643	9715	9787	9859	9931	$\overline{0003}$	$\overline{0}\overline{0}\overline{7}\overline{5}$	$\overline{0147}$	$\overline{0219}$	5 - 36
26	780 0291	0363	0435	0507	0580	0652	0724	0796	0868	0940	6 43 7 50
27	1012	1084	1156	1228	1300				1588		8 58
28	. 1732	1804	1877	1949	2021	2093	2165	2237	2309	2381	9 65
29	2453	2525	2597	2669	2741	2813	2885	2957	3029	3101	
30	3173	3245	3317	3389	346₽	3533	3605	3677	3749	3821	
6031	3893	3965	4037	4109	4181	4253	4325	4397	4469	4541	
32	4613	4685	4757	4829	4901	4973	5045	5117	5189	5261	1
33	5333	5405	5477	5549	5621	5693			5909	5981	
34		6125					6485		6629		
35	6773	6845	6917	6989	7061	7133	7204	7276	7348	7420	
36	7492	7564	7636	7708	7780	7852	7924	7996	8068	8140	
37		8284					8643		8787	8859	
. 38		9003							9506	9578	
39		9722						0154		$\overline{0297}$	
40.	781 0369	0441	0513	0585	0657	0729	0801	0873	0945	1016	
6041		1160							1663		
42		1879							2382		
43		2598							3101		
44 45		3316							3819		
		4035							4538		
46						5041				5328	
47 48						5759					-
	6118	6190							6692		
	0000	COAC									
49 6050		6908 7626				7195 7913					

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No.	, .	0	, 1	2	3	4	5	6	7	8	9	Diff.	
5050 51 52 53 54 55		8272 8989 9707 0424	8343 9061 9778 0496	7697 8415 9133 9850 0568 1285	8487 9204 9922 0639	$9276 \\ 9994$	$\begin{array}{r} 8630 \\ \underline{9348} \\ \overline{0065} \end{array}$		$\frac{9491}{0209}$	$\begin{array}{c} 8846 \\ \underline{9563} \\ \overline{0281} \\ 0998 \end{array}$	$\tfrac{9635}{0352}$		
56 57 58 59 60		2576 3293	$\begin{array}{c} 3364 \\ 4081 \end{array}$	2002 2719 3436 4153 4870	$\begin{array}{c} 3508 \\ 4225 \end{array}$	$\begin{array}{c} 3579 \\ 4296 \end{array}$	2217 2934 3651 4368 5085	2289 3006 3723 4440 5156	2361 3078 3794 4511 5228		2504 3221 3938 4655 5371	۰	
6061 62 63 64 65		6159 6876 7592		6303 7019 7735	5658 6374 7091 7807 8523	7162 7878 8594	7950	5873 6589 7305 8022 8738	5944 6661 7377 8093 8809	6016 6732 7449 8165 8881			4
66 67 68 69 70		9024 9740 0456 1171 1887	$9812 \\ 0527 \\ 1243$	0599	$9955 \\ 0670 \\ 1386$	$\begin{array}{c} 0742 \\ 1458 \end{array}$	1529	$\begin{array}{c} 9454 \\ \hline 0169 \\ 0885 \\ 1601 \\ 2316 \end{array}$	$\begin{array}{c} 9525 \\ \hline 0241 \\ 0957 \\ 1672 \\ 2388 \end{array}$		$\begin{array}{c} 1100 \\ 1815 \end{array}$	72	
6071 72 73 74 75		$\frac{4033}{4748}$		4891	$\begin{array}{c} 2817 \\ 3532 \\ 4247 \\ 4962 \\ 5677 \end{array}$	2888 3604 4319 5034 5749	2960 3675 4390 5105 5820	3032 3747 4462 5177 5892	$\begin{array}{c} 4533 \\ 5248 \end{array}$	3175 3890 4605 5320 6035	$\frac{4676}{5391}$	1 .7 2 14 3 22 4 29 5 36	
76 77 78 79 80		6178 6892 7607 8321 9036	$\begin{array}{c} 7678 \\ 8393 \end{array}$	6321 7035 7750 8464 9179	$\begin{array}{c} 7821 \\ 8536 \end{array}$	6464 7178 7893 8607 9322	6535 7250 7964 8679 9393	8036 8750	6678 7393 8107 8821 9536	8893	8250	6 43 7 50 8 58 9 65	
6081 82 83 84 85	784	0464	$0536 \\ 1250 \\ 1963$	9893 0607 1321 2035 2749		1464	$\overline{0107}$ 0821 1535 2249 2963	$0893 \\ 1607 \\ 2320$	$\overline{0250}$ 0964 1678 2392 3105	$\overline{0321}$ 1035 1749 2463 3177	$\overline{0393}$ 1107 1821 2534 3248		
86 87 88 89 90		$4033 \\ 4746 \\ 5460$	5531	$\begin{array}{c} 4176 \\ 4889 \end{array}$	3534 4247 4960 5674 6387	$\begin{array}{c} 4318 \\ 5032 \end{array}$			$\begin{array}{c} 5246 \\ 5959 \end{array}$		$\begin{array}{c} 5388 \\ 6102 \end{array}$		
6091 92 93 94 95		7599 8312 9024	7670 8383 9096	8454	7813 8526 9238	$7171 \\ 7884 \\ 8597 \\ \underline{9310} \\ 0022$	$7242 \\ 7955 \\ 8668 \\ \underline{9381} \\ \overline{0093}$	$7314 \\ 8027 \\ 8739 \\ \underline{9452} \\ \overline{0165}$	$7385 \\ 8098 \\ 8811 \\ \underline{9523} \\ \overline{0236}$	8169	$\begin{array}{c} 7528 \\ 8241 \\ 8953 \\ \underline{9666} \\ \overline{0378} \end{array}$		
96 97 98 99 6100	785	$1162 \\ 1874 \\ 2586$	$1233 \\ 1945 \\ 2658$	0592 1304 2017 2729 3441	$1376 \\ 2088 \\ 2800$	2871	2942	$1589 \\ 2301 \\ 3014$	0948 1661 2373 3085 3797	1732 2444 3156	2515 3227		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6100 01 02 03 04 05	4 5434 6145	4081 4793 5505 6216	$\frac{4153}{4864}$	4224 4936 5647 6359	4295 5007 5718 6430	4366 5078 5789 6501	4437 5149 5861 6572	4509 5220 5932 6643	3868 4580 5291 6003 6714 7426	4651 5363 6074 6786	
06 07 08 09 10	7568 8279 8990	7639 8350 9061 9772	7710 8421 9132 9843	7781 8493 9204 9915	7852 8564 9275 9986	$7924 \\ 8635 \\ 9346 \\ \hline 0057$	$7995 \\ 8706 \\ \underline{9417} \\ \overline{0128}$	$\begin{array}{c} 8066 \\ 8777 \\ \underline{9488} \\ \overline{0199} \end{array}$	$\begin{array}{c} 8137 \\ 8848 \\ \underline{9559} \\ 0270 \\ 0981 \end{array}$	$\begin{array}{c} 8208 \\ 8919 \\ \underline{9630} \\ 0341 \end{array}$	•
6111 12 13 14 15	$1833 \\ 2544 \\ 3254$	$1905 \\ 2615 \\ 3325$	$\begin{array}{c} 1265 \\ 1976 \\ 2686 \\ 3396 \\ 4107 \end{array}$	$2047 \\ 2757 \\ 3467$	2118 2828 3538	$2189 \\ 2899 \\ 3609$	2260	$2331 \\ 3041 \\ 3752$	1691 2402 3112 3823 4533	2473 3183 3894	
16 17 18 19 20	5385 6095 6805	$5456 \\ 6166 \\ 6876$	4817 5527 6237 6946 7656	$5598 \\ 6308 \\ 7017$	5669 6379 7088	5740 6450 7159	$\begin{array}{c} 5811 \\ 6521 \\ 7230 \end{array}$	$5882 \\ 6592 \\ 7301$	5243 5953 6663 7372 8082	6024 6734 7443	71
6121 22 23 24 25	8933 9643 787 0352	900409714 9423		$\begin{array}{c} 9146 \\ 9855 \\ 0565 \end{array}$	$9217 \\ 9926$	9288 9997 0706	$\begin{array}{c} 9359 \\ \hline 0068 \\ 0777 \end{array}$	$\begin{array}{c} 9430 \\ \hline 0139 \\ 0848 \end{array}$	$\begin{array}{c} 8791 \\ \underline{9501} \\ 0210 \\ 0919 \\ 1628 \end{array}$	$\frac{9572}{0281}$	1 7 2 - 14 3 21 4 28 5 36
26 27 28 29 30	2479 3188 3896	$2550 \\ 3258 \\ 3967$	$\begin{array}{c} 1912 \\ 2621 \\ 3329 \\ 4038 \\ 4746 \end{array}$	$2691 \\ 3400 \\ 4109$	2762 3471 4180	$2833 \\ 3542 \\ 4250$	$2904 \\ 3613 \\ 4321$	2975 3684 4392	2337 3046 3754 4463 5171	3117 3825 4534	6 43 7 50 8 57 9 64
6131 32 33 34 35	$6021 \\ 6730 \\ 7438$	$\begin{array}{c} 6092 \\ 6800 \end{array}$	5455 6163 6871 7579 8287	$6234 \\ 6942$	6305 7013 7721	6376 7084 7792	$6446 \\ 7155 \\ 7863$	6517 7225 7933	5880 6588 7296 8004 8712	6659 7367 8075	
36 37 38 39 40	9561 788 0269 0976	$9632 \\ 0340 \\ 1047$	8995 9703 0410 1118 1825	9774 0481 1189	9844 0552 1259	9915 0623 1330	$9986 \\ 0693 \\ 1401$	0057 0764 1472	$\begin{array}{c} 9420 \\ \hline 0127 \\ 0835 \\ 1542 \\ 2250 \end{array}$	$ \begin{array}{r} \hline 0198 \\ 0906 \\ 1613 \end{array} $	
6141 42 43 44 45	3098 3805 4512	3169 3876 4583		3310 4017 4724	3381	3452 4159 4865	$3522 \\ 4229 \\ 4936$	3593 4300 5007	5078	3734 4441 5148	
46 47 48 49 6150	6632 7339 8045	6703 7409 8116	6773 7480 8186	6844 7551	8327	6985 7692 8398	7056 7762 8469	7127 7833 8539	7197 7904	7268 7974 8681	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
51 52 53 54 55	789 0163 0869 1575	9528	9598 0304 1010 1716	9669 0375 1081 1787	9740	9810 0516 1222 1928	$\begin{array}{c} 9881 \\ 0587 \\ 1293 \\ 1998 \end{array}$	9245 9951 0657 1363 2069 2774	$\overline{0022}$ 0728 1434 2139	$ \begin{array}{r} \overline{0093} \\ 0799 \\ 1504 \\ 2210 \end{array} $	
56 57 58 59 60	3692 4397 5102		3833 4538 5243	3903 4608 5314	$\begin{array}{c} 3974 \\ 4679 \end{array}$	4044 4749 5455	$\begin{array}{c} 4115 \\ 4820 \\ 5525 \end{array}$	3480 4185 4890 5596 6301	$4256 \\ 4961 \\ 5666$	4326 5032 5737	
6161 62 63 64 65	8626	6583 7287 7992 8697 9401	7358 8063 8767	7428 8133 8838	$7499 \\ 8204 \\ 8908$	$8274 \\ 8979$	7640 8344 9049	7005 7710 8415 9119 9824	7781 8485 9190	7851 8556 9260	
66 67 68 69 70	1444 2148	0106 0810 1514 2218 2922	$\begin{array}{c} 0880 \\ 1584 \\ 2288 \end{array}$	$0951 \\ 1655 \\ 2359$	$1021 \\ 1725 \\ 2429$	1092 1796 2500	$\begin{array}{c} 1162 \\ 1866 \\ 2570 \end{array}$	0528 1232 1936 2640 3344	$1303 \\ 2007 \\ 2711$	1373 2077 2781	71
6171 72 73 74 75	4259 4963 5666	3626 4330 5033 5737 6440	$4400 \\ 5103 \\ 5807$	$4470 \\ 5174 \\ 5877$	4541 5244 5948	4611 5315 6018	$4681 \\ 5385 \\ 6088$	4048 4752 5455 6159 6862	$\begin{array}{c} 4822 \\ 5526 \\ 6229 \end{array}$	$4892 \\ 5596 \\ 6299$	1 7 2 14 3 21 4 28 5 36
76 77 78 79 80	7776 8479 9182	7143 7846 8549 9252 9955	7917 8620 9323	7987 8690 9393	8057 8760 9463	8128 8831 9533	8198 8901 9604	$7565 \\ 8268 \\ 8971 \\ \underline{9674} \\ 0377$	8338 9041 9744	8409 9112 9814	6 43 7 50 8 57 9 64
6181 82 83 84 85	$1992 \\ 2695$	$0658 \\ 1360 \\ 2063 \\ 2765 \\ 3467$	$1431 \\ 2133 \\ 2835$	1501 2203 2905	1571 2273 2976	1641 2344 3046	$1711 \\ 2414 \\ 3116$	1079 1782 2484 3186 3889	1852 2554 3257	$1922 \\ 2625 \\ 3327$	
86 87 88 89 90	4801 5503 6205	4169 4871 5573 6275 6977	$4942 \\ 5643 \\ 6345$	5012 5714 6415	5082 5784 6486	$\frac{5854}{6556}$	$5222 \\ 5924$	529 2 5994 6696	$5363 \\ 6064$	4731 5433 6135 6836 7538	
6191 92 93 94 95	9011	8380 9081 9782	8450 9151 9852	$8520 \\ 9221 \\ 9922$	8590 9291 9992	$ \begin{array}{r} 8660 \\ 9361 \\ \hline 0063 \end{array} $	$\begin{array}{c} 8730 \\ \underline{9432} \\ \overline{0133} \end{array}$	9502	$8871 \\ 9572 \\ \hline 0273$	$\begin{array}{c} 8239 \\ 8941 \\ \underline{9642} \\ 0343 \\ 1044 \end{array}$	
96 97 98 99 6200	1815 2516 3216	1184 1885 2586 3286 3987	1955 2656 3356	2025 2726 3427	2095 2796 3497	$\frac{2866}{3567}$	2235 2936 3637		2376 3076 3777	3847	

No.,	0	1	2	3	4	5	6	7	8	9	Diff.
6200 01 02 03 04 05	6018 6718		4757 5458 6158 6858	$6228 \\ 6928$	4897 5598 6298 6998	4967 5668 6368 7068	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5108 5808	5178 5878 6578 7278	5948 6648 7348	
06 07 08 09 10	8817 9517 7 93 0217	9587	8957 9657 0356	9027 9727 0426	$9097 \\ 9797 \\ 0496$	9167 9867 0566	9237 9937 0636	$\begin{array}{c} 8608 \\ \underline{9307} \\ \hline 0007 \\ 0706 \\ 1406 \end{array}$	$\frac{9377}{0077}$	$\frac{9447}{0147}$ 0846	
6211 12 13 14 15	2314 3014 3712	1685 2384 3083 3782 4481	2454 3153 3852	2524 3223 3922	2594 3293 3992	$2664 \\ 3363 \\ 4062$	2734 3433 4132	2105 2804 3503 4202 4900	2874 3573 4272	2944 3643 4341	
16 17 18 19 20	5809 6507 7206	5180 5879 6577 7275 7974	5948 6647 7345	6018 6717 7415	6088 6787 7485	6158 6856 7555	$6228 \\ 6926 \\ 7625$	5599 6298 6996 7694 8393	6367 7066 7764	6437 7136 7834	70
6221 22 23 24 25	9300 9998 7 94 0696	8672 9370 0068 0766 1463	$\frac{9440}{0138}$ 0835	$\begin{array}{c} 9509 \\ \hline 0207 \\ 0905 \end{array}$	$\frac{9579}{0277}$ 0975	$\frac{9649}{0347}$	$\frac{9719}{0417}$ 1114	$\begin{array}{c} 9091 \\ \underline{9789} \\ 0487 \\ 1184 \\ 1882 \end{array}$	$\frac{9858}{0556}$ 1254	$\frac{9928}{0626}$	70 1 7 2 14 3 21 4 28 5 35
26 27 28 29 30	2789 3486 4183	2161 2858 3556 4253 4950	$2928 \\ 3626 \\ 4323$	$2998 \\ 3695 \\ 4392$	3068 3765 4462	$\frac{3835}{4532}$	3207 3904 4602	2579 3277 3974 4671 5368	4044 4741	3416 4114 4811	6 42 7 49 8 56 9 63
6231 32 33 34 35	$6274 \\ 6971 \\ 7668$	5647 6344 7041 7738 8434	6414 711i 7807	6484 7180 7877	6553 7250 7947	6623 7320 8016	6693 7389 8086	6065 6762 7459 8156 8852	6832 7529 8225	6902 7598 8295	
36 37 38 39 40	9757 7 95 0454 1150	9131 9827 0523 1219 1915	9897 0593 1289	9966 0663 1359	$0036 \ 0732 \ 1428$	$0\overline{106} \\ 0802 \\ 1498$	$ \begin{array}{c} \overline{0175} \\ 0871 \\ 1567 \end{array} $	$\begin{array}{r} 9549 \\ \hline 0245 \\ 0941 \\ 1637 \\ 2333 \end{array}$	0314 1011 1707	0384 1080 1776	
6241 42 43 44 45	3238 3933 4629	2611 3307 4003 4698 5394	3377 4072 4768	3446 4142 4838	$3516 \\ 4212 \\ 4907$	3586 4281 4977	$\begin{array}{c} 4351 \\ 5046 \end{array}$	3029 3725 4420 5116 5811	4490 5185	3864 4559 5255	
46 47 48 49 3250	6020 6715 7410 / 8105	6089 6785 7480	6159 6854 7549 8244	6228 6924 7619 8314	6298 6993 7688 8383	6367 7063 7758 8453	6437 7132 7827 8522	6506 7202 7897	6576 7271 7966 8661	6646 7341 8036 8731	

											0200
No.	0	1	2	3	4	5	6	7	8	9	Diff.
6250 51 52 53 54 55	796 0190 0884 1579	9564	9634 0329 1023 1718	9703 0398 1093 1787	$\begin{array}{c} 9773 \\ 0468 \\ 1162 \\ 1857 \end{array}$	9842 0537 1232 1926	9912 0606 1301 1995	$\begin{array}{c} 9287 \\ 9981 \\ 0676 \\ 1370 \\ 2065 \\ 2759 \end{array}$	$00\overline{51}$ 0745 1440 2134	$ \begin{array}{r} 0120 \\ 0815 \\ 1509 \\ 2204 \end{array} $	
56 57 58 59 60	3662 4356 5050	3037 3731 4425 5119 5813	$3800 \\ 4494 \\ 5188$	$3870 \\ 4564 \\ 5258$	$\begin{array}{c} 3939 \\ 4633 \end{array}$	4009 4703 5396	$\begin{array}{c} 4078 \\ 4772 \\ 5466 \end{array}$	3453 4147 4841 5535 6229	4217 4911 5605	$\begin{array}{c} 4286 \\ 4980 \\ 5674 \end{array}$	
6261 62 63 64 65	7131 7824 8517	6506 7200 (7893 .8587 9280	$7269 \\ 7963 \\ 8656$	$7339 \\ 3032 \\ 8725$	8101 8795	7477 8171 8864 9557	7547 8240 8933 9627	6923 7616 8309 9003 9696	7685 8379 99072 9765	7755 8448 9141 9835	
66 67 68 69 70	797 0597	$\begin{array}{c} 1359 \\ 2052 \end{array}$	0736	$0805 \\ 1428 \\ 2191$	$\begin{array}{c} 0874 \\ 1567 \\ 2260 \end{array}$	$0943 \\ 1636 \\ 2329$	$1013 \\ 1706 \\ 2398$		$\begin{array}{c} 1151 \\ 1844 \\ 2537 \end{array}$	1221	69
5271 72 73 74 75	$4060 \\ 4753 \\ 5445$	3437 4130 4822 5514 6207	4199 4891 5584	4268 4961 5653	4337	5099 5791	447.6 5168 5860		4614 5307 5999	$4684 \\ 5376 \\ 6068$	1 7 2 14 3 21 4 28 5 35
76 77 78 79 30	7521 8213 8905	6899 7590 8282 8974 9666	$7660 \\ 8351 \\ 9043$	$7729 \\ 8421$	9181	$8559 \\ 9251$	$\begin{array}{c} 7936 \\ 8628 \\ 9320 \end{array}$	$\begin{array}{c} 7314 \\ 8006 \\ 8697 \\ \underline{9389} \\ \overline{0080} \end{array}$	$8075 \\ 8766 \\ 9458$	8144 8836 9527	6 41 7 48 8 55 9 62
6231 82 83 84 85	$\begin{array}{c} 1671 \\ 2362 \end{array}$	$\begin{array}{c} 0357 \\ 1048 \\ 1740 \\ 2431 \\ 3122 \end{array}$	$1118 \\ 1809 \\ 2500$	1187 1878	$1256 \\ 1947 \\ 2638$	1325 2016 2707	$\frac{1394}{2085}$.	$\begin{array}{c} 0772 \\ 1463 \\ 2154 \\ 2846 \\ 3536 \end{array}$	$\begin{array}{c} 1532 \\ 2224 \end{array}$	$1601 \\ 2293 \\ 2984$	
86 87 88 89 90		4504	$5263 \\ 5954$	$\begin{array}{c} 4642 \\ 5333 \\ 6023 \end{array}$	$\frac{5402}{6092}$	4780 5471 6161	$\begin{array}{c} 5540 \\ 6230 \end{array}$	$\begin{array}{c} 4227 \\ 4918 \\ 5609 \\ 6299 \\ 6990 \end{array}$	$\frac{5678}{6368}$	$5056 \\ 5747 \\ 6437$	
6291 92 93 94 95	9267 9957	$7956 \\ 8646 \\ \underline{9336} \\ 0026$	$\begin{array}{c} 8025 \\ 8715 \\ \underline{9405} \\ \overline{0095} \end{array}$	$\begin{array}{c} 8784 \\ \underline{9474} \\ 0\overline{164} \end{array}$	$\begin{array}{c} 8163 \\ 8853 \\ \underline{9543} \\ \overline{0233} \end{array}$	$\begin{array}{c} 8232 \\ 89226 \\ \underline{9612} \\ 0302 \end{array}$	$\begin{array}{c} 8301 \\ 8991 \\ \underline{9681} \\ 0371 \end{array}$	$\begin{array}{c} 9060 \\ \underline{9750} \\ \overline{0440} \end{array}$	$\begin{array}{c} 8439 \\ 9129 \\ \underline{9819} \\ \overline{0509} \end{array}$	$\begin{array}{c} 8508 \\ 9198 \\ \underline{9888} \\ \overline{0578} \end{array}$	
96 97 98 99 6300	799 0647 1337 2027 2716 3405	$\begin{array}{c} 1406 \\ 2096 \end{array}$	1475 2164 2854	$\begin{array}{c} 1544 \\ 2233 \\ 2923 \end{array}$	$1613 \\ 2302 \\ 2992$	1682 2371 3061	1751 2440 3130	1130 1820 2509 3199 3888	$\begin{array}{c} 1889 \\ 2578 \\ 3268 \end{array}$	$1958 \\ 2647 \\ 3337$	

No.		0	1	2	3	4	5	6	. 7	8	9	Diff.
6300	1799	34053	3474	3543	3612	3681	3750	3819	3888	3957	4026	
01		4095	4164	4233	4302	4370	74439	4508	4577	4646	4715	
02		4784	4853	4922	4991	5060	/ 5129	5197	5266	5335	5404	
03					5680		5818					
04					6369		6506					
05		6851	6920	6989	7058	7126	67195	7264	7333	7402	7471	
06	ť.	7540	7609	7677	7746	7815	7884	7953	8022	8091	8159	
07					8435		8573	8641	8710	8779	8848	
08					9123					9468		
09					9812					0156		
10	800	0294	0362	0431	0500	0569	0638	0707	0775	0844	0913	
6311		0982	1051	1119	1188	1257	1326	1395	1463	1532	1601	- 1
12					1876					2220		
13					2564					2908		
14					3252					3596		
15		3734	3802	3871	3940	4009	4077	14146	4215	4284	4352	
16		4421	4490	4559	4627	4696	4765	4834	4903	4971	5040	
17					5315					5659		*
18					6002					6346		,
19					6690					7033		
20		7171	7239	7308	7377	7446	7514	7583	7652	7720	7789	69
3321		7858	7927	7995	8064	8133	8201	8270	8339	8408	8476	1
22					8751		8888	8957	9026	9094	9163	2 1
23					9438					9781		3 2
24	1				0125					0468		4 . 2
25	801	0605	0674	0743	0811	0380	0949	1017	1086	1155	1223	5 3
26					1498					1841		6 41
27					2184					2527		8 5
28					2871					3214		9 62
29					3557		3694					
30	-				4243				2	4586		
6331					4929					5272		
32					5615		5752					
33					6301		6438					
34 35	,,				6986 7672					7329		
										8015		
36 37		8152	8220	8289	8357	8426	8494	8553	8631	8700	8769	
38		0500	0500	0650	9728	0706	9180	9248	9317	9385	9454	
39	802	0208	0276	0345	0/19	0/85	9865 60550	0610	0002	0070	0139	
40	002	0893	0961	1030	1098	1167	21235	1304	1379	1441	1500	1
341			(1783							- 1
42					2468					2125		
43		2947	3016	3084	3153	3221	3289	3358	3496	2405	2562	
44	1	3632	3700	3769	3837	3906	3974	4042	41114	4170	4248	4.1
•45					4522		4658	4727	4795	4864	4932	213
46							£ 5343	5411	5480	5540	5617	
47	. ?	5685	5753	5822	5890	5959	6027	6096	6164	6239	6301	1
48	1	6369	64385	65064	6574	6643	6711	6780	6848	6916	6085	
49	1	7053	7122	7190	7258	7327	47395	7464	7539	7600	7000	1
49												

NT.	0	1	0	3				7	8	9	D:e	1
No. 6350	802 7737	7806	2 7874	_	8011	5	6 8148	•	_	_	Diff.	
51	8421	8490	8558	8626	8695	8763	8831	8900	8968	9037		
52 53	9105 9789	$9173 \\ 9857$	$9242 \\ 9925$	9310 9994	$\frac{9378}{0062}$	$\frac{9447}{0130}$	$\frac{9515}{0199}$	$\frac{9583}{0267}$		$\frac{9720}{0404}$		l
54	803 0472 1156	$\begin{array}{c} 0540 \\ 1224 \end{array}$		$\begin{array}{c} 0677 \\ 1361 \end{array}$	0745		0882		$1019 \\ 1702$			l
55 56	1839	1907		2044	1429 2112		1566 2249		2385	2454		
57	52522	2590	2659	2727	2795	2864	2932	3000	3069	3137		
58 59	3205 3888	3957	$\frac{3342}{4025}$	4093		$\frac{3547}{4230}$	$\frac{3615}{4298}$		$\frac{3752}{4435}$			
60		4639			4844		4981		5117			١
6361	5254 5937	$5322 \\ 6005$	5391 6073	$5459 \\ 6141$	$5527 \\ 6210$	$\frac{5595}{6278}$	$5664 \\ 6346$	$\begin{array}{c} 5732 \\ 6414 \end{array}$	5800 6483			١
63	6619	6687	6756	6824	6892	6960	7029	7097	7165	7233		
64 65		7370 8052	$\begin{array}{c} 7438 \\ 8121 \end{array}$	$7506 \\ 8189$	$\begin{array}{c} 7575 \\ 8257 \end{array}$	$\begin{array}{r} 7643 \\ 8325 \end{array}$	$7711 \\ 8393$	7779 8462	7848 8530	$\begin{array}{c} 7916 \\ 8598 \end{array}$		
66			8803				9076		9212			l
67 68	804 0031			9553 0235		$^{\circ}9690$ 0372	$9758 \\ 0440$		$9894 \\ 0576$			
69 70		0781 1463	$0849 \\ 1531$	0917 1599		$\frac{1053}{1735}$	$\begin{array}{c} 1122 \\ 1803 \end{array}$	$\begin{array}{c} 1190 \\ 1872 \end{array}$	$1258 \\ 1940$	$\frac{1326}{2008}$		l
6371	•	2144		2281		2417		2553	2621	2690	68	
72	2758	2826	2894	2962	3030	3098	3167	3235	3303	3371	1 7 2 14	l
73 74	3439 4121	3507 4189		$\frac{3644}{4325}$	3712 4393		$\frac{3848}{4529}$	3916 4598	3984 4666	4052 4734	3 20 4 27	l
75	4802		4938		5074		5211	5279	5347	5415	5 34 6 41	١
76 77	5483 6164		5619 6300		$5756 \\ 6437$	$5824 \\ 6505$	5892 6573	5960 6641	$6028 \\ 6709$	6096 6777	7 48 8 54	l
78	6845	6913	6981	7049	7118	7186	7254	7322	7390	7458	9 61	
79 80	7526 8207		$\begin{array}{c} 7662 \\ 8343 \end{array}$	7730 8411	7798 8479	$7866 \\ 8547$	7934 8615	8003 8683	$8071 \\ 8751$	8139 8819		l
6381			9024		9160			9364		9500		ĺ
82 83	$9568 \\ 8050248$		9704 0385	$9772 \\ 0453$	$9840 \\ 0521$		$9976 \\ 0657$	$0044 \\ 0725$		$0180 \\ 0861$		
84	0929	0997	1065	1133	1201	1269	1337	1405	1473	1541		
85 86	2289	1677 2357		1813 2493	1881 2561	1949 2629	2697	$2085 \\ 2765$	2153 2833	2221 2901	ĺ	
87		3037	3105	3173	3241	3309	3377	3445	3513	3581	}	
88 89	3649 4329	3717 4397	$\frac{3785}{4465}$	$\frac{3853}{4533}$	3921 4601	$\frac{3989}{4669}$	$\frac{4057}{4737}$	4125 4805	4193 4873	4261		l
90	5009		5145		5280	5348	5416	5484	5552	5620		
6391 92	5688 6368	5756 6436		5892 6571		$6028 \\ 6707$	$6096 \\ 6775$	6164 6843	$6232 \\ 6911$			ĺ
93	7047	7115	7183	7251	7319	7387	7455	7523	7590	7658		l
94 95	7726 8405		$\begin{array}{c} 7862 \\ 8541 \end{array}$		7998 8677		$8134 \\ 8813$		8270 8949	8338 9017		l
96	9085	9152	9220	9288	9356	9424	9492	9560	9628	9696		
97 98		$9831 \\ 0510$	$9899 \\ 0578$	$9967 \\ 0646$	$0035 \\ 0714$		$\begin{array}{c} \overline{0171} \\ 0850 \end{array}$		0307 0985			
99	1121	1189.	1257	1325	1393	1460	1528	1596	1664	1732		
6400	1800	1868	1935	2003	2071	2139	2207	2275	2343	2410		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
01 02 03 04 05	3157 3835 4513 5191	2546 3225 3903 4581 5259	2614 3292 3971 4649 5327	2682 3360 4038 4717 5395	2750 3428 4106 4784 5463	2817 3496 4174 4852 5530	2885 3564 4242 4920 5598	2953 3632 4310 4988 5666	3699 4378 5056 5734	3089 3767 4445 5124 5802	d
06 07 08 09 10	6547 7225	5937 6615 7293 7970 8648	$\begin{array}{c} 6683 \\ 7361 \end{array}$	6751 7428 8106	6818 7496 8174	6886 -7564 -8242	6954 7632 8309	6344 7022 7699 8377 9055	7089 7767 8445	7157 7835 8513	
6411 12 13 14 15	807 0612 1290	$\overline{0003}$	$0748 \\ 1425$	$0\overline{138} \\ 0816 \\ 1493$	$\begin{array}{c} \overline{0206} \\ 0883 \\ 1560 \end{array}$	0274 0951 1628	$\begin{array}{c} \overline{0342} \\ 1019 \\ 1696 \end{array}$	$\begin{array}{r} 9732 \\ \hline 0409 \\ 1086 \\ 1764 \\ 2440 \end{array}$	$0477 \\ 1154 \\ 1831$	$\begin{array}{c} \overline{0545} \\ 1222 \\ 1899 \end{array}$	
16 17 18 19 20	3320 3997 4674	2711 3388 4065 4741 5418	$3456 \\ 4132 \\ 4809$	$3523 \\ 4200 \\ 4877$	$3591 \\ 4268 \\ 4944$	3659 4335 5012	$3726 \\ 4403 \\ 5080$	3117 3794 4471 5147 5824	$3862 \\ 4538 \\ 5215$	3929 4606 5283	68
6421 22 23 24 25	7379	6771 7447 8123	7514	6906 7582 8258	$6974 \\ 7650 \\ 8326$	7041 7717 8393	7109 7785 8461	6500 7176 7853 8529 9204	7244 7920 8596	7312 7988 8664	1 7 2 14 3 20 4 27 5 34
26 27 28 29 30	808 0083 0759 1434	9475 0151 0826 1502 2177	$0218 \\ 0894 \\ 1569$	$0286 \\ 0961 \\ 1637$	$0353 \\ 1029 \\ 1704$	$0421 \\ 1096$	$0488 \\ 1164 \\ 1840$	9880 0556 1232 1907 2582	0624 1299 1975	$0691 \\ 1367 \\ 2042$	6 41 7 48 8 54 9 61
6431 32 33 34 35	3460 4136 4811	2853 3528 4203 4878 5553	3595 4271 4946	$3663 \\ 4338 \\ 5013$	$3730 \\ 4406 \\ 5081$	3798 4473 5148	$3865 \\ 4541 \\ 5216$	3258 3933 4608 5283 5958	4000 4676 5351	4068 4743 5418	
36 37 38 39 40	6835 7510 8184	6228 6903 7577 8252 8926	6970 7645 8319	7037 7712 8387	7105 7780 8454	$7172 \\ 7847$	$\begin{array}{c} 7914 \\ 8589 \end{array}$	7307 7982 8656	8049 8724	7442 8117 8791	
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46 47 48 49 6450	\$3577 4250 4924	2970 3644 4318 4991 5664	3711 4385 5058	3779 4452 5126	3846 4520 5193	3914 4587 5260	3981 4654 5328		4116 4789 5462	4183 4856 5530	

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6450. 51 52 53 54 55	6944 7617 8290	6338 7011 7684 8357	$6405 \\ 7078 \\ 7751$	6472 7146 7819 8491	7213 7886 8559	$\begin{array}{c} 6607 \\ 7280 \end{array}$	73474 8020 8693	6742 7415	$6809 \\ 7482 \\ 8155 \\ 8828$	7549 8222 8895		,
56 57 58 59 60	810 0308 0980 4 1653	$\begin{array}{c} 1048 \\ 1720 \end{array}$	$\begin{array}{c} 0442 \\ 1115 \end{array}$	$\begin{array}{c} 0510 \\ 1182 \\ 1855 \end{array}$	$0577 \\ 1249 \\ 1922$		2056		$0846 \\ 1518 \\ 2191$	$0913 \\ 1586 \\ 2258$		
6461 62 63 64 65	3670 4342 5013	3065 3737 4409 5081 5752	$\begin{array}{c} 3804 \\ 4476 \end{array}$	3199 3871 4543 5215 5887	$\frac{3938}{4610}$	4006	3401 4073 4745 5417 6088	$4140 \\ 4812 \\ 5484$	$\begin{array}{c} 4207 \\ 4879 \\ 5551 \end{array}$	4274	•	
66 67 68 69 70	7029 7700 8372	6424 7096 7767 8439 9110	$\begin{array}{c} 7163 \\ 7834 \end{array}$	$7230 \\ 7902 \\ 8573$	7297 7969 8640	7364 8036 8707	8103	7499 8170 8841	7566 8237 8909	7633 8304 8976	67	
6471 72 73 74 75	811 0385 1056 1727	1123	$0519 \\ 1190 \\ 1861$	1257	$0653 \\ 1324 \\ 1995$	$0721 \\ 1392 \\ 2062$	$\overline{0117}$ 0788 1459 2129 2800	$0855 \\ 1526 \\ 2197$	$0922 \\ 1593 \\ 2264$	$0989 \\ 1660 \\ 2331$	67 1 2 13 3 20 4 23 5 3	0 7
76 77 78 79 80	3739 4409 5080	3135 3806 4476 5147 5817	$\begin{array}{c} 4544 \\ 5214 \end{array}$	3940	$\begin{array}{c} 4678 \\ 5348 \end{array}$	4074 4745 5415	3471 4141 4812 5482 6152	$4208 \\ 4879 \\ 5549$	$\begin{array}{c} 4275 \\ 4946 \end{array}$	5683	6 44 7 4' 8 5- 9 6	7
6481 82 83 84 85	7090 7760 84 3 0	6487 7157 7827 8497 9167	$\begin{array}{c} 7224 \\ 7894 \end{array}$	6621 7291 7961 8631 9301	$\begin{array}{c} 7358 \\ 8028 \end{array}$	7425		7559	$\begin{array}{c} 7626 \\ 8296 \end{array}$	7693		A 102-141-141-141-141-141-141-141-141-141-14
86 87 88 89 90	812 0439	$\begin{array}{c} 1175 \\ 1845 \end{array}$	$\begin{array}{c} 0573 \\ 1242 \end{array}$	$0640 \\ 1309 \\ 1979$	$0707 \\ 1376 \\ 2045$	$0774 \\ 1443 \\ 2112$	$\overline{0171}$ 0841 1510 2179 2848	$0908 \\ 1577 \\ 2246$	$0975 \\ 1644 \\ 2313$	2380		
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96 97 98 99 6500	7129 7797 8465	6527 7196 7864 8532 9200	7262 7931 8599	8666	7396 8064 8733	7463 8131 8799	6861 7530 8198 8866 9534	7597 8265 8933	$\begin{array}{c} 8332 \\ 9000 \end{array}$	9067		

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6500 01 02 03 04		9868	$9935 \\ 0603 \\ 1271$	$0002 \\ 0670 \\ 1338$	$0069 \\ 0737 \\ 1405$	$0136 \\ 0804 \\ 1471$	$\begin{array}{r} 9534 \\ \hline 0202 \\ 0870 \\ 1538 \\ 2206 \end{array}$	$0269 \\ 0937 \\ 1605$	$0336 \\ 1004 \\ 1672$	$0403 \\ 1071 \\ 1739$	
05 06 07 08 09	2473 3141 3808 4475 5143	2540 3207 3875 4542 5209	2607 3274 3942 4609 5276	2673 3341 4008 4676 5343	2740 3408 4075 4742 5410	2807 3474 4142 4809	2874 3541 4209 4876 5543	2940 3608 4275 4943	3007 3675 4342 5009	3074 3741 4409 5076	٠.,
10 6511 12 13 14 15	6477 7144 7811 8478	5877 6544 7211 7877 8544 9211	6610 7277 7944 8611	6677 7344 8011 8678	6744 7411 8077 8744	6810 7477 8144 8811	6210 6877 7544 8211 8878 9544	6944 7611 8278 8944	7011 7677 8344 9011	7077 7744 8411 9078	į.
16 17 18 19 20	9811 814 0477 1144 1810	9877	9944 0610 1277 1943	$00\overline{11} \\ 0677 \\ 1343 \\ 2010$	$\overline{0077}$ 0744 1410 2076	$0\overline{144}$ 0810 1477 2143	$\begin{array}{c} \hline 0211 \\ 0877 \\ 1543 \\ 2210 \\ 2876 \\ \end{array}$	$\overline{0277}$ 0944 1610 2276	$\overline{0344}$ 1010 1677 2343	$\overline{0411}$ 1077 1743 2409	67
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26 27 28 29 30	7136 7801 8467 9132	6537 7203 7868 8533 9198	7269 7935 8600 9265	7336 8001 8666 9331	7402 8068 8733 9398	7469 8134 8799 9464	6870 7535 8201 8866 9531	7602 8267 8932 9597	7668 8334 8999 9664	9065 9730	7 47 8 54 9 60
6531 32 33 34 35	815 0462 1127 1791 2456	1193 1858 2522	$\begin{array}{c} 0595 \\ 1260 \\ 1924 \\ 2589 \end{array}$	0661 1326 1991 2655	0728 1392 2057 2722	$0794 \\ 1459 \\ 2124 \\ 2788$	0196 0861 1525 2190 2855	$0927 \\ 1592 \\ 2257 \\ 2921$	0994 1658 2323 2988	1060 1725 2389 3054	
36 37 38 39 40	3785 4449 5113 5777	3187 3851 4516 5180 5844	3918 4582 5246 5910	3984 4648 5313 5977	4051 4715 5379 6043	4117 4781 5445 6109	3519 4183 4848 5512 6176	4250 4914 5578 6242	4316 4981 5645 6309	4383 5047 5711 6375	
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46 47 48 49 6550	816 0423 1087 1750	0490 1153 1816	0556 1219 1883	0622 1286 1949		0755 1418 2081	$\overline{0158}$ 0821 1485 2148 2811	$0888 \\ 1551 \\ 2214$	0954 1617 2280	1020 1684 2347	

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6550 51 52 53 54 55	3739 4402 5064	3142 3805 4468 5131	2546 3209 3871 4534 5197 5859	3275 3938 4600 5263	$3341 \\ 4004 \\ 4667$	$4070 \\ 4733 \\ 5396$	3474 4137 4799	3540 4203 4866 5528	$\begin{array}{c} 4269 \\ 4932 \end{array}$	3673 4335 4998 5661	
56 57 58 59 60	7052 7714 8376	7118 7780 8443	6522 7184 7847 8509 9171	$7251 \\ 7913 \\ 8575$	$7317 \\ 7979$	7383 8045 8707	8111 8774	6853 7515 8178 8840 9502	8244 8906	$7648 \\ 8310 \\ 8972$	
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66 67 68 69 70	3670 4331 4993	3736 4398 5059	3141 3802 4464 5125 5786	3869 4530 5191	3935 4596 5257	4001 4662 5323	4067 4728 5389	3472 4133 4794 5455 6116	4199 4860 5521	4265 4927 5588	66
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76 77 78 79 80	818 0278 0939 1599	$0344 \\ 1005 \\ 1665$	1071	$0477 \\ 1137 \\ 1797$	0543 1203 1863	$0609 \\ 1269 \\ 1929$	$0675 \\ 1335 \\ 1995$	0080 0741 1401 2061 2721	$0807 \\ 1467 \\ 2127$	$0873 \\ 1533 \\ 2193$	6 40 7 46 8 53 9 59
6581 82 83 84 85	4239 4898	3645 4305 4964	3051 3711 4370 5030 5690	3777 4436 5096	$3843 \\ 4502 \\ 5162$	$3909 \\ 4568 \\ 5228$	3975 4634 5294	3381 4041 4700 5360 6019	4107 4766 5426	$4173 \\ 4832 \\ 5492$	
86 87 88 89 90	6877 7536 8195	6943 7602 8261	7668	7074 7734 8393	7140 7800 8459	7206 7866 8525	$7931 \\ 8591$	6679 7338 7997 8656 9315	$\begin{array}{c} 8063 \\ 8722 \end{array}$	$7470 \\ 8129$	
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96 97 98 99 6600	3465 4123 4781	3531 4189 4847	3597 4255 4913	3662 4321 4979	3070 3728 4386 5045 5703	$3794 \\ 4452 \\ 5110$	3860 4518 5176	3267 3926 4584 5242 5900	3991 4650 5308	4057 4715 5374	

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6600 01 02 03 04 05	6755 7413 8071	6163 6821 7479	$6229 \\ 6887 \\ 7545 \\ 8202$	6295 6953 7610 8268	6360 7018 7676 8334	6426 7084 7742 8399		$\begin{array}{c} 7873 \\ 8531 \end{array}$	6624 7281 7939 8597	6689 7347 8005	
06 07 08 09 10	0820 0043 0700 1358 2015	$\begin{array}{c} 0766 \\ 1423 \\ 2080 \end{array}$	$0175 \\ 0832 \\ 1489 \\ 2146$	$\begin{array}{c} 0240 \\ 0898 \\ 1555 \\ 2212 \end{array}$	$\begin{array}{c} 0306 \\ 0963 \\ 1620 \\ 2277 \end{array}$	0372 1029 1686 2343	$1095 \\ 1752 \\ 2409$	0503 1160 1817 2474	$1226 \\ 1883 \\ 2540$	$\begin{array}{c} 0635 \\ 1292 \\ 1949 \\ 2606 \end{array}$	
6611 12 13 14 15	3328 3985 4642 5298	4051 4708 5364	3460 4117 4773 5430	3525 4182 4839 5495	3591 4248 4905 5561	3657 4314 4970 5627	3723 4379 5036 5692	4445 5102 5758	3854 4511 5167 5824	3920 4576 5233 5889	4.
17 18 19 20	6611 7268 7924 8580	6021 6677 7333 7989 8645	6743 7399 8055 8711	6808 7464 8121 8777	6874 7530 8186 8842	6939 7596 8252 8908	6349 7005 7661 8317 8973	7071 7727 8383 9039	8449 9105	7202 7858 8514 9170	66
6621 22 23 24 25	$\begin{array}{r} 9892 \\ 821\ 0548 \\ 1203 \\ 1859 \end{array}$	$1269 \\ 1924$	$ \begin{array}{r} \hline{0023} \\ \hline{0679} \\ \hline{1334} \\ \hline{1990} \end{array} $	$0744 \\ 1400 \\ 2055$	$ \begin{array}{r} 0\overline{154} \\ 0810 \\ 1465 \\ 2121 \end{array} $	$ \begin{array}{r} \overline{0220} \\ 0875 \\ 1531 \\ 2187 \end{array} $	$0941 \\ 1597 \\ 2252$	$\begin{array}{c} 1662 \\ 2318 \end{array}$	$1072 \\ 1728 \\ 2383$	1138 1793 2449	1 7 2 13 3 20 4 26 5 33 6 40
26 27 28 29 30	3170 3825 4480 5135	2580 3235 3891 4546 5201	3301 3956 4611 5266	3366 4022 4677 5332	3432 4087 4742 5397	3497 4153 4808 5463	$\begin{array}{c} 4873 \\ 5528 \end{array}$	3628 4284 4939 5594	4349 5004 5659	3759 4415 5070 5725	7 46 8 53 9 59
32 33 34 35	6445 7100 7755 8409		6576 7231 7886 8540	6642 7296 7951 8606	6707 7362 8017 8671	6773 7427 8082 8737	$7493 \\ 8147 \\ 8802$	6904 7558 8213 8867	7624 8278 8933	7034 7689 8344 8998	
36 37 38 39 40	$\begin{array}{r} 9718 \\ 8220372 \\ 1027 \end{array}$	9129 9784 0438 1092 1746	$9849 \\ 0503 \\ 1158$	$9914 \\ 0569 \\ 1223$	$9980 \\ 0634 \\ 1288$	0045 0700 1354 2008	$0765 \\ 1419 \\ 2073$	$ \begin{array}{r} 0176 \\ 0830 \\ 1485 \\ 2139 \end{array} $	$\begin{array}{c} 0896 \\ 1550 \end{array}$	$\begin{array}{c} \overline{03}\overline{07} \\ 0961 \end{array}$	
6641 42 43 44 45	2989 3643 4296	5015	3119 3773 4427 5081	3185 3839 4492 5146	3250 3904 4558 5211	3316 3969 4623 5277	4035 4688 5342	3446 4100 4754 5407	4166 4819 5473	3577 4231 4884 5538	
46 47 48 49 6650	7563	5669 6322 6975 7629 8282	6387 7041 7694	6453 7106 7759	$\begin{array}{c} 7171 \\ 7825 \end{array}$	6583 7237 7890	6649 7302 7955	6061 6714 7367 8021 8674	6779 7433 8086	7498 8151	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
51 52 53 54 55	823 0175 0828	8282 8935 9588 0241 0893 1546	$\begin{array}{c} 9653 \\ 0306 \\ 0958 \end{array}$	$\begin{array}{c} 0371 \\ 1024 \end{array}$	$\begin{array}{c} 9784 \\ 0436 \end{array}$	9849	$\begin{array}{c} 9261 \\ 9914 \\ 0567 \\ 1220 \end{array}$	$9327 \\ 9979 \\ 0632$	$\begin{array}{c} 8739 \\ \underline{9392} \\ \overline{0045} \\ 0697 \\ 1350 \\ 2003 \end{array}$	$\begin{array}{c} 8804 \\ \underline{9457} \\ 0\overline{110} \\ 0763 \\ 1415 \\ 2068 \end{array}$	
56 57 58 59 60	2786 3438 4090 4742	$\begin{array}{c} 2851 \\ 3503 \\ 4155 \\ 4808 \end{array}$	$\begin{array}{c} 2916 \\ 3568 \\ 4221 \\ 4873 \end{array}$	3634 4286 4938	3047 3699 4351 5003	3764 4416 5068	3177 3829 4481 5134	5199	2655 3307 3960 4612 5264	2720 3373 4025 4677 5329	
6661 62 63 64 65	6046 6698 7350 8002	5460 6111 6763 7415 8067 8718	6177 6828 7480 8132	$\begin{array}{c} 6242 \\ 6894 \end{array}$	6959 7611 8262	5720 6372 7024 7676 8327 8979	5786 6437 7089 7741 8392 9044	$\begin{array}{c} 6503 \\ 7154 \end{array}$	5916 6568 7220 7871 8523 9174	5981 6633 7285 7936 8588 9239	
66 67 68 69 70	$9305 \\ 9956 \\ 8240607 \\ 1258$	$\begin{array}{c} 9370 \\ \hline 0021 \\ 0672 \\ 1323 \end{array}$	$\begin{array}{r} 9435 \\ \hline 0086 \\ 0737 \\ 1389 \end{array}$	$\begin{array}{c} 9500 \\ \hline 0151 \\ 0803 \\ 1454 \end{array}$	$\begin{array}{r} 9565 \\ \hline 0216 \\ 0868 \\ 1519 \end{array}$	$\begin{array}{r} 9630 \\ \hline 0282 \\ 0933 \\ 1584 \end{array}$	$\begin{array}{r} 9695 \\ \hline 0347 \\ 0998 \\ 1649 \end{array}$	$\begin{array}{c} 9761 \\ \hline 0412 \\ 1063 \\ .1714 \end{array}$	$\begin{array}{c} 9826 \\ \hline 0477 \\ 1128 \\ 1779 \end{array}$	$\frac{9891}{0542}$ 1193 1844	65
72 73 74 75	2560 3211 3862 4513	3276 3927 4578	$3341 \\ 3992 \\ 4643$		2821 3472 4122 4773	3537 4187 4838	2300 2951 3602 4252 4903	$3667 \\ 4318 \\ 4968$	$3732 \\ 4383 \\ 5033$	2495 3146 3797 4448 5098	1 7 2 13 3 20 4 26 5 33 6 39
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6771 72 73 74 75	71 78 84	$\frac{69}{11}$	7875		$\begin{array}{c} 6721 \\ 7362 \\ 8003 \\ 8644 \\ 9285 \end{array}$		$7490 \\ 8131 \\ 8772$	6913 7554 8195 8837 9478	8260 8901	$\begin{array}{c} 8965 \\ 9606 \end{array}$	7105 7747 8388 9029 9670	1 6 2 13 3 19 4 26 5 32 6 38	3
76 77 78 79 80	831 03 10 16	$\frac{375}{16}$	$\begin{array}{c} 1080 \\ 1720 \end{array}$	$\begin{array}{c} 0503 \\ 1144 \end{array}$	$\frac{1208}{1849}$	$0631 \\ 1272 \\ 1913$	0695	$\frac{1400}{2041}$	$0823 \\ 1464 \\ 2105$	1528	$ \begin{array}{r} 03\overline{11} \\ 0952 \\ 1592 \\ 2233 \\ 2873 \end{array} $	7 45 8 51 9 58	5
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6791 92 93 94 95	832 06 15	977 316 255 895	$0680 \\ 1319 \\ 1959$	$ \begin{array}{r} 0\overline{105} \\ 0744 \\ 1383 \\ 2022 \end{array} $	$0808 \\ 1447 \\ 2086$	$\begin{array}{r} 9593 \\ \hline 0233 \\ 0872 \\ 1511 \\ 2150 \end{array}$	$0936 \\ 1575 \\ 2214$	$03\overline{60}$ 1000 1639 2278	$ \begin{array}{r} \hline 0424 \\ 1064 \\ 1703 \\ 2342 \end{array} $	1128 1767 2406	$\begin{array}{r} 9913 \\ \hline 0552 \\ 1192 \\ 1831 \\ 2470 \end{array}$		
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08	833 0195	9621						9940 0578				
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12		2810						3129				
13		3448					3703	3766	3830	3894	3958	
14		4085						4404				
15		4722					4977	5041	5105	5168	5232	
16		5360						5678				
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19		$6634 \\ 7271$						7589			7143	
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22		9181						9499				1
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25	1027	1090	1154	1217	1281		1345	1408	1472	1536	,1599	5 3
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27		2363						2681				8 5
28 29		2999						3317				9 5
30		$\frac{3635}{4271}$						3953 4589				
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33		6178						6496				
34		6813						7131				
35	7385	7449	7512	7576	7639		7703	7766	7830	7893	7957	
36	8021	8084	8148	8211	8275		8338	8402	8465	8529	8592	
37		8719						9037				
38 39		9354						$\frac{9672}{0007}$				
40	835 0561	9990						$\begin{array}{c} 0307 \\ 0942 \end{array}$				
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43		2529						2846				
44		3163										
45	3735	3798	3861	3925	3988		$\boldsymbol{4052}$	4115	4179	4242	4306	1.
46	4369	4432	4496	4559	4623		4686	4750	4813	4876	4940	
47		5067						5384				
48	5638	5701	5764	5828	5891	1	5955	6018	6081	6145	6208	
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No.		0	1	2	3	4	5	-6	7	8	9	Diff.
51 52 53 54 55	836	7540 8174 8807 9441 0075	7603 8237 8871 9504 0138	7033 7666 8300 8934 9568 0201	7730 8364 8997 9631 0265	7793 8427 9061 9694 0328	7857 8490 9124 9758	7286 7920 8554 9188 9821 0455	7983 8617 9251 9885	8047 8681 9314 9948	$\begin{array}{c} 8110 \\ 8744 \\ \underline{9378} \\ 0011 \end{array}$	-
56 57 58 59 60		1341 1975 2608 3241	1405 2038 2671 3304	0835 1468 2101 2735 3368	$\begin{array}{c} 1531 \\ 2165 \\ 2798 \\ 3431 \end{array}$	$\begin{array}{c} 1595 \\ 2228 \\ 2861 \\ 3494 \end{array}$	$\begin{array}{c} 1658 \\ 2291 \\ 2925 \\ 3558 \end{array}$	1088 1721 2355 2988 3621	$\begin{array}{c} 1785 \\ 2418 \\ 3051 \\ 3684 \end{array}$	$\begin{array}{c} 1848 \\ 2481 \\ 3115 \\ 3748 \end{array}$	1911 2545 3178 3811	
6861 62 63 64 65		4507 5140 5773 6405	4570 5203 5836 6469	4001 4634 5267 5899 6532	4697 5330 5963 6595	4760 5393 6026 6658	4824 5456 6089 6722	4887 5520 6152 6785	$\begin{array}{c} 6216 \\ 6848 \end{array}$	$6279 \\ 6911$	5077 5709 6342 6975	
66 67 68 69 70		7670 8303 8935 9567	7734 8366 8998 9631	8429 9062 9694	7860 8493 9125 9757	7923 8556 9188 9820	9883	8050 8682 9314 9947	$\tfrac{9378}{0010}$	$\begin{array}{c} 8176 \\ 8809 \\ \underline{9441} \\ \overline{0073} \end{array}$	$\begin{array}{c} 8240 \\ 8872 \\ \underline{9504} \\ \overline{0136} \end{array}$	63
6871 72 73 74 75	837	0832 1463 2095 2727	$\begin{array}{c} 0895 \\ 1527 \\ 2158 \\ 2790 \end{array}$	$\begin{array}{c} 1590 \\ 2222 \\ 2853 \end{array}$	1021 1653 2285 2917	1084 1716 2348 2980	$ \begin{array}{c} 1147 \\ 1779 \\ 2411 \\ 3043 \end{array} $	$1843 \\ 2474 \\ 3106$	$1274 \\ 1906 \\ 2538 \\ 3169$	$1337 \\ 1969 \\ 2601 \\ 3232$	$1400 \\ 2032 \\ 2664 \\ 3296$	1 6 2 13 3 19 4 25 5 32
76 77 78 79 80		$3990 \\ 4622 \\ 5253$	$\begin{array}{c} 4685 \\ 5316 \end{array}$	4117 4748 5379	$4180 \\ 4811 \\ 5442$	3611 4243 4874 5506 6137	4306 4937 5569	3738 4369 5001 5632 6263	$4432 \\ 5064 \\ 5695$	4495 5127 5758	4559 5190 5821	6 38 7 44 8 50 9 57
6881 82 83 84 85		7147 7778 8409 9039	7841 8472 9103	6642 7273 7904 8535 9166	7336 7967 8598 9229	030 8661 9292	7462 8093 8724 9355		7588 8219 8850 9481	7652 8282 8913 9544	7715 8346 8976 9607	
86 87 88 89 90	٤	0301 0931 562	$0364 \\ 0994 \\ 1625$	$0427 \\ 1057 \\ 1688$	$0490 \\ 1121 \\ 1751$	9922 0553 1184 1814 2444	$0616 \\ 1247 \\ 1877$		$0742 \\ 1373 \\ 2003$	$0805 \\ 1436 \\ 2066$	$0868 \\ 1499 \\ 2129$	
6891 92 93 94 95		3453 4083 4713	3516 4146 4776	$\frac{3579}{4209}$	$3642 \\ 4272 \\ 4902$	$\frac{4335}{4965}$	3768 4398 5028	3201 3831 4461 5091 5721	$3894 \\ 4524 \\ 5154$	3957	$\begin{array}{c} 4020 \\ 4650 \\ 5280 \end{array}$	
96 97 98 99 6900		6602 7232 7861	6665 7295 7924	6728 7358 7987	6791 7421 8050	6224 6854 7484 8113 8743	* 6917 7547 8176	6980 7610 8239	7043 7673 8302	7106 7736 8365	6539 7169 7798 8428 9057	

No.	.0	.1	2	3	4	5	6	7	8	9	Diff.
6900	838 8491	8554	8617	8680	8743	8806	8869	8931	8994	9057	,,
01	9120	9183	9246	9309	9372	9435	9498	9561	9624	9687	
02			9875		$\overline{0}\overline{0}\overline{0}\overline{1}$	0064	0127	0190	0253	0316	1
03	839 0379										
04						1322					
05	1637	1700	1763	1826	1888	1951	2014	2077	2140	2203	
06			2392					2706			
07	2895		3020					3335			
08			3649			3838					
09			4278					4592			
10			4906					5220		74	
6911			5535					5849			
12			6163					6477			1
13			6791					7105			
14			7419					7733			
15			8047					8361		-3	
16			8675					8989			
17			9303					9617			
18			9931					0245			
19	840 0433							0873			
20	1061	1124	1186	1249						1626	63
6921			1814					2128			1 6
22			2441							2881	2 13
23			3069							3508	3 19
24			3696							4135	4 25
25	4198	4260	4323	4386	4449	4511	4574	4637	4699	4762	5 32
26			4950							5389	6 38
27			5577							6016	8 50
28			6204							6643	9 57
29						7019					
30	7332	7395	7458	7520	7583	7646	7708	7771	7834	7896	
6931	7959	8022	8084	8147	8210	8272	8335	8398	8460	8523	
32	8586	8648	8711	8773	8836			9024	9087	9149	
33			9337							9776	
34			9964								
35	841 0465	0527	0590	0653	0715	0778	0840	0903	0966	1023	
36	1091	1153	1216	.1279	1341	1404	1467	1529	1592	-355	1 .
. 37			1842			2030				9,80	
38	2343	2406	2468	2531	2593	2656				906	
39						3282					
40	3595	3657	3720	3782	3845	3908	3970	. 4033	4095	4158	
6941	4220	4283	4346	4408	4471	4533	4596	4658	4721	4784	
42			4971							5409	
43			5597				5847			6035	
44			6222				6472			6660	
45		EC 1	6848	1			7098	7160	7223	7285	
46			7473							7910	
47			18098							8536	
48			8723							9161	
49			9348	$\frac{9411}{0036}$				$\begin{array}{r} 9661 \\ \hline 0285 \end{array}$		9786	
6950											

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No.	0	1	2	3	4	5	6	7	8	9	Diff.	
6950 51 52 53 54 55	841 9848 842 0473 1098 1722 2347 2971	$\begin{array}{c} 0535 \\ 1160 \\ 1785 \\ 2409 \end{array}$	$\begin{array}{c} 0598 \\ 1223 \\ 1847 \end{array}$	0660 1285 1910 2534	$\begin{array}{c} 0723 \\ 1348 \\ 1972 \\ 2597 \end{array}$	$\begin{array}{c} 0785 \\ 1410 \\ 2035 \\ 2659 \end{array}$	$0848 \\ 1472 \\ 2097$	$\begin{array}{c} 0910 \\ 1535 \\ 2160 \\ 2784 \end{array}$	1597 2222 2846	0410 1035 1660 3284 2909 3533		
56 57 58 59 60	4220 4844 5468	4907	$4345 \\ 4969 \\ 5593$	5783 4407 5031 5656 6280	5718	4532	5843	$\begin{array}{c} 4657 \\ 5281 \\ 5905 \end{array}$	4095 4719 5344 5968 6592	5406		
6961 62 63 64 65	7340 7964 8588		$7465 \\ 8089 \\ 8712$	8151 8775 9398	7590 8213 8837 9461	7028 7652 8276 8899 9523		7153 7777 8401 9024 9648		7902 3525 9149		
66 67 68 69 70	843 0458 1081 1705 2328	1144 1767 2390	9959 0583 1206 1829 2452	$0645 \\ 1268 \\ 1892 \\ 2515$	$1331 \\ 1954 \\ 2577$	0770 1393 2016 2639	$\begin{array}{c} 1455 \\ 2079 \\ 2702 \end{array}$	$\begin{array}{c} 1518 \\ 2141 \\ 2764 \end{array}$	$\begin{array}{c} 0957 \\ 1580 \\ 2203 \\ 2826 \end{array}$	$\begin{array}{c} 2265 \\ 2889 \end{array}$	62	
6971 72 73 74 75	2951 3574 4197 4819 5442	3013 3636 4259 4882 5504	4321 4944 5567	5629	$ \begin{array}{r} 4446 \\ 5069 \\ 5691 \end{array} $	4508 5131 5753	5193° 5816	4010 4633 5255 5878	4695 5318 5940	4134 4757 5380 6002	1 6 2 12 3 19 4 25 5 31	
76 77 78 79 80	8554	7372 7994 8616	6812 7434 8056 8679	7496 8119 8741	6936 7559 8181 8803	7621 8243 8865	7061 7683 8305 8928	7123 7745 8368 8990	$\begin{array}{c} 8430 \\ 9052 \end{array}$	7247 7870 8492 9114	6 37 7 43 8 50 9 56	
82 83 84 85	9798 844 9420 1042	1104	0545	$9985 \\ 0607 \\ 1229$	$\begin{array}{r} 9425 \\ \hline 0047 \\ 0669 \\ 1291 \\ 1913 \end{array}$	$\overline{01}\overline{09}$	$\begin{array}{c} 9550 \\ \hline 0172 \\ 0794 \\ 1415 \\ 2037 \end{array}$	$\begin{array}{c} \overline{0234} \\ 0856 \\ 1478 \end{array}$	$\begin{array}{r} 9674 \\ \hline 0296 \\ 0918 \\ 1540 \\ 2161 \end{array}$	$0358 \\ 0980 \\ 1602$		
86 87 88 89 90	$3529 \\ 4150$	$\begin{array}{c} 3591 \\ 4213 \end{array}$	3032	$3094 \\ 3715 \\ 4337$	2534 3156 3778 4399 5020	$\frac{3840}{4461}$	2659 3280 3902 4523 5145	2721 3343 3964 4585 5207	2783 3405 4026 4647 5269	3467 4088		
6991 92 93 94 95	6014	5455 6076 6697 7318 7939	$6138 \\ 6759$	$\begin{array}{c} 6822 \\ 7443 \end{array}$	7505	6325 6946 7567	5766 6387 7008 7629 8250	$\begin{array}{c} 7070 \\ 7691 \end{array}$	5890 6511 7132 7753 8374	7194 7815		
96 97 98 99 7000	9119 9739 843 0360	$9181 \\ 9801 \\ 0422$	8622 9243 9863 0484 1104	$9305 \\ 9926 \\ 0546$	9367 9988 0608	$\begin{array}{r} 9429 \\ \hline 0050 \\ 0670 \end{array}$		$\frac{9553}{0174}$ 0794	8995 9615 0236 0856 1477	$\frac{9677}{0298}$ 0918		

NT		4							0	•	D.a.
No.	0	1	2	3	4	5	6	7	8	9	Diff.
7000 01 02 03 04 05	2221 2841	1663 2283 2903 3523	1725 2345 2965 3585	1787 2407 3027 3647	1849 2469 3089 3709	1911 2531 3151 3771	1973 2593 3213 3833	2035 2655 3275 3895	1477 2097 2717 333¶ 3957 4577	2159 2779 3399 4019	
06 07 08 09 10	5321 5941 6561	4763 5383 6003 6623 7242	5445 6065 6685	5507 6127 6746	5569 6189 6808	$5631 \\ 6251 \\ 6870$	5693 6313 6932	$5755 \\ 6375 \\ 6994$	5197 5817 6437 7056 7676	5879 6499 7118	
7011 12 13 14 15	8419 9038	7862 8481 9100 9720 0339	8543 9162 9781	$8605 \\ 9224 \\ 9843$	8667 9286 9905	8729 9348 9967	$\begin{array}{c} 8791 \\ \underline{9410} \\ \overline{0029} \end{array}$	$8853 \\ \underline{9472} \\ \overline{0091}$	$\begin{array}{c} 8295 \\ 8915 \\ \underline{9534} \\ 0153 \\ 0772 \end{array}$	$\begin{array}{r} 8976 \\ \underline{9596} \\ \overline{0215} \end{array}$	
16 17 18 19 20	$1515 \\ 2134 \\ 2752$	0958 1577 2196 2814 3433	$\begin{array}{c} 1639 \\ 2257 \\ 2876 \end{array}$	$1700 \\ 2319 \\ 2938$	$\begin{array}{c} 1762 \\ 2381 \end{array}$	$1824 \\ 2443 \\ 3062$	$\begin{array}{c} 1886 \\ 2505 \\ 3124 \end{array}$	$1948 \\ 2567 \\ 3186$	1391 2010 2629 3247 3866	$2072 \\ 2691 \\ 3309$	62
7021 22 23 24 25	4608 5227 5845	4052 4670 5289 5907 6525	$4732 \\ 5350 \\ 5969$	$\begin{array}{c} 4794 \\ 5412 \end{array}$	4856 5474 6092	$4917 \\ 5536 \\ 6154$	$4979 \\ 5598 \\ 6216$	$5041 \\ 5660 \\ 6278$	4485 5103 5721 6340 6958	5165 5783 6401	1 6 2 12 3 19 4 25 5 31
26 27 28 29 30	7700 8318 8935	7143 7761 8379 8997 9615	$7823 \\ 8441 \\ 9059$	7885 8503 9121	7947 8565 9183	$8009 \\ 8626 \\ 9244$	$8070 \\ 8688 \\ 9306$	$8132 \\ 8750 \\ 9368$	$7576 \\ 8194 \\ 8812 \\ \underline{9430} \\ 0047$	8256 8874 9491	6 37 7 43 8 50 9 56
7031 32 33 34 35	$1406 \\ 2024$	$\begin{array}{c} 0233 \\ 0850 \\ 1468 \\ 2085 \\ 2703 \end{array}$	$0912 \\ 1530 \\ 2147$	$0974 \\ 1591 \\ 2209$	$1036 \\ 1653 \\ 2271$	1097 1715 2332	$1159 \\ 1777 \\ 2394$	1221 1838 2456	0665 1283 1900 2518 3135	1344 1962 2579	
36 37 38 39 40	$\frac{3876}{4493}$	3320 3937 4554 5171 5788	$\begin{array}{c} 3999 \\ 4616 \end{array}$	4061 4678 5295	4122 4739 5356	$4184 \\ 4801 \\ 5418$	$\begin{array}{c} 4246 \\ 4863 \\ 5480 \end{array}$	$\begin{array}{c} 4307 \\ 4925 \end{array}$	3752 4369 4986 5603 6220	4431 5048 5665	
7041 42 43 44 45	6960 7577 81 9 3	6405 7022 7639 8255 8872	7084 7700 8317	7145 7762 8378	7207 7824 8440	$7269 \\ 7885 \\ 8502$	8563	$7392 \\ 8009 \\ 8625$	6837 7454 8070 8687 9303	8132 8748	
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7050 51 52 53 54 55	3123 3739 4355		$\begin{array}{c} 2630 \\ 3246 \\ 3862 \\ 4478 \end{array}$	$\begin{array}{c} 2692 \\ 3308 \\ 3924 \\ 4539 \end{array}$	$\begin{array}{c} 2754 \\ 3369 \\ 3985 \\ 4601 \end{array}$	2815 3431 4047 4662	$\begin{array}{c} 2261 \\ 2877 \\ 3493 \\ 4108 \\ 4724 \\ 5340 \end{array}$	2938 3554 4170 4786	3000 3616 4231 4847	3061 3677 4293 4909	
56 57 58 59 60	6817 7432	5647 6263 6878 7493 8109	$6940 \\ 7555$	6386 7001 7616	6447 7063 7678	$6509 \\ 7124 \\ 7739$	5955 6570 7186 7801 8416	$6632 \\ 7247 \\ 7862$	6693 7309 7924	6755 7370 7985	
7061 62 63 64 65	$9277 \\ 9892 \\ 8490507$	8724 9339 9954 0568 1183	$\begin{array}{c} 9400 \\ \hline 0015 \\ 0630 \end{array}$	$\frac{9462}{0077}$	$\begin{array}{c} 9523 \\ \hline 0138 \\ 0753 \end{array}$	$\frac{9585}{0199}$ 0814	$\begin{array}{c} 9031 \\ \underline{9646} \\ 0261 \\ 0876 \\ 1490 \end{array}$	$\begin{array}{c} 9708 \\ \hline 0322 \\ 0937 \end{array}$	$\frac{9769}{0384}$ 0999	$\frac{9831}{0445}$ 1060	
66 67 68 69 70	2351 2965 3580	$\begin{array}{c} 1798 \\ 2412 \\ 3027 \\ 3641 \\ 4256 \end{array}$	$\begin{array}{c} 2474 \\ 3088 \\ 3703 \end{array}$	$\begin{array}{c} 2535 \\ 3150 \\ 3764 \end{array}$	$2597 \\ 3211 \\ 3826$	$2658 \\ 3273 \\ 3887$	$2105 \\ 2720 \\ 3334 \\ 3948 \\ 4563$	$2781 \\ 3396 \\ 4010$	$2843 \\ 3457 \\ 4071$	$2904 \\ 3518 \\ 4133$	61
7071 72 73 74 75	5423 6037 6651	$\begin{array}{c} 4870 \\ 5484 \\ 6098 \\ 6712 \\ 7326 \end{array}$	$\begin{array}{c} 5545 \\ 6159 \\ 6773 \end{array}$	$\begin{array}{c} 5607 \\ 6221 \\ 6835 \end{array}$	$5668 \\ 6282 \\ 6896$	$5730 \\ 6344 \\ 6958$	5177 5791 6405 7019 7633	$5852 \\ 6466 \\ 7080$	$5914 \\ 6528 \\ 7142$	$5975 \\ 6589 \\ 7203$	1 6 2 12 3 18 4 24 5 31
76 77 78 79 80	8492 9106	7940 8553 9167 9780 0394	$\begin{array}{c} 8615 \\ 9228 \\ 9842 \end{array}$	$\begin{array}{c} 8676 \\ 9290 \\ 9903 \end{array}$	8737 9351 9965	$8799 \\ \frac{9412}{0026}$	$\begin{array}{c} 8246 \\ 8860 \\ \underline{9474} \\ 0087 \\ 0701 \end{array}$	$\begin{array}{r} 8922 \\ \underline{9535} \\ \overline{0149} \end{array}$	$\begin{array}{c} 8983 \\ \underline{9596} \\ \overline{0210} \end{array}$	$\frac{9044}{9658} \\ \hline 0271$	6 37 7 43 8 49 9 55
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86 87 88 89 90	4624 5237 5850	4073 4686 5298 5911 6524	$4747 \\ 5360 \\ 5972$	$\begin{array}{c} 4808 \\ 5421 \\ 6034 \end{array}$	$4869 \\ 5482 \\ 6095$	$4931 \\ 5543 \\ 6156$	4379 4992 5605 6217 6830	$5053 \\ 5666 \\ 6279$	$5115 \\ 5727 \\ 6340$	$5176 \\ 5788 \\ 6401$	
7091 92 93 94 95	7687 8300 8912	7136 7749 8361 8973 9585	7810 8422 9034	7871 8483 9095	$7932 \\ 8545 \\ 9157$	$7993 \\ 8606 \\ 9218$	7442 8055 8667 9279 9891	8116 8728 9340	8177 8789 9402	$8238 \\ 8851 \\ 9463$	
96 97 98 99 7100	1360 1972	$\begin{array}{c} 0809 \\ 1421 \end{array}$	$0870 \\ 1482 \\ 2094$	$0932 \\ 1544 \\ 2155$	$0993 \\ 1605 \\ 2216$	1054 1666 2278	0503 1115 1727 2339 2950	$1176 \\ 1788 \\ 2400$	$1238 \\ 1849 \\ 2461$	$1299 \\ 1911 \\ 2522$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7100 01 02 03 04 05	3807 4418 5030	3256 3868 4479 5091	2706 3317 3929 4540 5152 5763	3379 3990 4602 5213	3440 4051 4663 5274	3501 4112 4724 5335	3562 4174 4785 5396	3012 3623 4235 4846 5457 6069	3684 4296 4907 5519	3746 4357 4968 5580	
06 07 08 09 10	6863 7474 8085	6924 7535 8146	6374 6985 7596 8207 8818	$7046 \\ 7657 \\ 8268$	7108 7719 8329	7169 7780 8391	7230 7841 8452	6680 7291 7902 8513 9124	7352 7963 8574	7413 8024 8635	
7111 12 13 14 15	852 0528 1139 1749	9979 0589 1200 1810	$1261 \\ 1871$	$ \begin{array}{r} 0101 \\ 0711 \\ 1322 \\ 1932 \end{array} $	$ \begin{array}{r} \hline 0162 \\ 0772 \\ 1383 \\ 1993 \end{array} $	$0833 \\ 1444 \\ 2054$	0284 0894 1505 2115	2176	0406 1017 1627 2237	$\overline{0467}$ 1078 1688 2298	
16 17 18 19 20	2970 3580 4190	$3031 \\ 3641 \\ 4251$	2481 3092 3702 4312 4922	$3153 \\ 3763 \\ 4373$	$3214 \\ 3824 \\ 4434$	3275 3885 4495	$3336 \\ 3946 \\ 4556$	2787 3397 4007 4617 5227	$3458 \\ 4068 \\ 4678$	3519 4129 4739	61
7121 22 23 24 25	6020 6629 7239	6081 6690 7300	5532 6142 6751 7361 7971	$6203 \\ 6812 \\ 7422$	$6264 \\ 6873 \\ 7483$	6325 6934 7544	6386 6995 7605	5837 6447 7056 7666 8275	6508 7117 7727	6568 7178 7788	1 6 2 12 3 18 4 24 5 31 6 37
26 27 28 29 30	9068 9677 853 0286	9129 9738 0347	8580 9189 9799 0408 1017	$9250 \\ 9860 \\ 0469$	9311 9921 0530	9372 9982 0591	$\begin{array}{c} 9433 \\ \hline 0042 \\ 0652 \end{array}$	8885 9494 0103 0713 1322	$\tfrac{9555}{0164}$	$\frac{9616}{0225}$ 0834	6 37 7 43 8 49 9 55
7131 32 33 34 35	2113 2722 3331	2174 2783 3392	1626 2235 2844 3453 4062	2296 2905 3514	2357 2966 3575	$2418 \\ 3027 \\ 3635$	2479 3088 3696	1931 2540 3148 3757 4366	$2600 \\ 3209 \\ 3818$	2661 3270 3879	
36 37 38 39 40	5157 5765 6374	5218 5826 6435	4670 5279 5887 6495 7104	5340 5948 6556	5400 6009 6617	$5461 \\ 6070 \\ 6678$	$5522 \\ 6130 \\ 6739$	4974 5583 6191 6800 7408	$5644 \\ 6252 \\ 6860$	5705 6313 6921	
7141 42 43 44 45	8198 8807	$8259 \\ 8867 \\ 9475$	7712 8320 8928 9536 0144	8381 8989 9597	8442 9050 9658	8502 9110 9718	$8563 \\ 9171$	8016 8624 9232 9840 0448	$\begin{array}{c} 8685 \\ 9293 \end{array}$	8746 9354 9962	
46 47 48 49 7150	1238 1845 2453	1299 1906 2514	0752 1359 1967 2574 3182	$1420 \\ 2028 \\ 2635$	1481 2088 2696	1542 2149 2757	$1602 \\ 2210 \\ 2817$	1056 1663 2271 2878 3486	$1724 \\ 2331 \\ 2939$	1785 2392 3000	

No.	0	1	2	3	4	5	6	7	8	9	Diff.	
7150 51 52 53 54 55	4275 4882 5489	3729 4336 4943 5550	3182 3789 4397 5004 5611 6218	3850 4457 5064 5671	3911 4518 5125 5732	3971 4579 5186 5793	4032 4639 5247 5854	3486 4093 4700 5307 5914 6521	4154 4761 5368 5975	4214 4822 5429		
56 57 58 59 60	7310 7917 8524	7371 7978 8584	6825 7432 8038 8645 9252	7492 8099 8706	7553 8160 8766	7614 8220 8827	7674 8281 8888		7796 8402 9009	9070		
7161 62 63 64 65	$855 0343 \\ 0950 \\ 1556 \\ 2162$	0404 1010 1616 2223	$1071 \\ 1677 \\ 2283$	0525 1131 1738 2344	0586 1192 1798 2404	0646 1253 1859 2465	0707 1313 1919 2526	0161 0768 1374 1980 2586	0828 1435 2041 2647	0889 1495 2101 2707		
66 67 68 69 70	3374 3980 4586 5192	3435 4041 4646 5252	5313	3556 4162 4768 5373	3616 4222 4828 5434	3677 4283 4889 5494	$\begin{array}{c} 4949 \\ 5555 \end{array}$	5616	4465 5070 5676	3919 4525 5131 5737	61	
7171 72 73 74 75	6403 7008 7614 8219	6463 7069 7674 8280	5918 6524 7129 7735 8340	6584 7190 7795 8401	6645 7250 7856 8461	6706 7311 7916 8522	8582		6887 7493 8098 8703	8159 8764	1 6 2 12 3 18 4 24 5 31 6 37	
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7181 82 83 84 85	2454 3059 3663 4268	2514 3119 3724 4328	1970 2575 3180 3784 4389	$\begin{array}{c} 2635 \\ 3240 \\ 3845 \\ 4449 \end{array}$	2696 3301 3905 4509	2756 3361 3965 4570	2817 3421 4026 4630	2273 2877 3482 4086 4691	2938 3542 4147 4751	2998 3603 4207 4812		
86 87 88 89 90	5476 6081 6685 7289	5537 6141 6745 7349	4993 5597 6202 6806 7410	5658 6262 6866 7470	5718 6322 6926 7531	5779 6383 6987 7591	6443 7047 7651	7712	59 6 0 6564 7168 7772	6020 6624 7229 7832		
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96 97 98 99 7200	1515 2118 2722	$\begin{array}{c} 1575 \\ 2179 \\ 2782 \end{array}$	1032 1636 2239 2842 3446	$1696 \\ 2299 \\ 2903$	$\frac{2360}{2963}$	1817 2420 3023			3204	$2058 \\ 2661 \\ 3265$		

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7211 12 13 14 15	858 0557 1159 1761		$0678 \\ 1280 \\ 1882$	$1340 \\ 1942$	$0798 \\ 1400 \\ 2002$	$0858 \\ 1460 \\ 2062$	$0918 \\ 1521 \\ 2123$	0377 0979 1581 2183 2785	1039	1099 1701 2303	*
16 17 18 19 20	3567 4169 4770		3687 4289 4891	$\frac{4349}{4951}$	3808 4409 5011	3868 4470 5071	3928 4530 5131	3387 3988 4590 5192 5793	4048 4650	4109 4710 5312	60
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7231 32 33 34 35	2584 3185 3785	2044 2644 3245 3845 4445	$2704 \\ 3305 \\ 3905$	$2764 \\ 3365 \\ 3965$	$2824 \\ 3425 \\ 4025$	2884 3485 4085	2944		$3065 \\ 3665 \\ 4265$	$3125 \\ 3725 \\ 4325$	
36 37 38 39 40	5586 6186 6786	5046 5646 6246 6846 7446	5706 6306 6906	5766 6366 6966	$5826 \\ 6426 \\ 7026$	5886 6486 7086	5946 6546 7146	5406 6006 6606 7206 7806	$6066 \\ 6666 \\ 7266$	$6126 \\ 6726 \\ 7326$	
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06 07 08 09 10 7311 12 13 14	7391 7985 8580 9174 9768 864 0362 0956	6856 7451 8045 8639 9233 9827 0421 1015 1609	7510 8104 8698 9293 9887 0481 1075	7569 8164 8758 9352 9946 0540 1134	$7629 \\ 8223 \\ 8817 \\ 9411 \\ \hline 0005 \\ 0599 \\ 1193$	8283 8877 9471 0065 0659 1253	$7748 \\ 8342 \\ 8936 \\ 9530 \\ \hline 0124 \\ 0718 \\ 1312$	7213 7807 8401 8996 9590 $\overline{0184}$ 0778 1371 1965	$8461 \\ 9055 \\ 9649 \\ \hline 0243 \\ 0837 \\ 1431$	$\begin{array}{c} 7926 \\ 8520 \\ 9114 \\ 9708 \\ \hline 0302 \\ 0896 \\ 1490 \\ \end{array}$	
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22 23 24 25 26	6297 6890 7483 8076 8669	6357 6950 7543 8136 8728	6416 7009 7602 8195 8788	6475 7068 7661 8254 8847	6534 7128 7721 8313 8906	6594 7187 7780 8373 8966	6653 7246 7839 8432 9025	6712 7305 7898 8491 9084	6772 7365 7958 8551 9143	6831 7424 8017 8610 9203	1 6 2 12 3 18 4 24 5 30 6 35 7 41
27 28 29 30 7331	9262 9855 865 0447 1040 1632	9321 9914 0506 1099 1691	9380 9973 0566 1158 1751	$\begin{array}{c} 9440 \\ \hline 0032 \\ 0625 \\ 1217 \\ 1810 \end{array}$	$\begin{array}{c} 9499 \\ \hline 0092 \\ 0684 \\ 1277 \\ 1869 \end{array}$	$\begin{array}{r} 9558 \\ \hline 0151 \\ 0743 \\ 1336 \\ 1928 \end{array}$	$\begin{array}{c} 9618 \\ \hline 0210 \\ 0803 \\ 1395 \\ 1988 \end{array}$	$\begin{array}{c} 9677 \\ \hline 0269 \\ 0862 \\ 1454 \\ 2047 \end{array}$	$\begin{array}{c} 9736 \\ \hline 0329 \\ 0921 \\ 1514 \\ 2106 \end{array}$	$\begin{array}{r} 9795 \\ \hline 0388 \\ 0980 \\ 1573 \\ 2165 \end{array}$	8 47 9 53
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8798 9387 9975	$\begin{array}{r} 8857 \\ \underline{9445} \\ \overline{0034} \end{array}$	$\begin{array}{c} 8916 \\ \underline{9504} \\ \overline{0093} \end{array}$	$\begin{array}{c} 8974 \\ \underline{9563} \\ \overline{0152} \end{array}$	$9033 \\ 9622$	$\begin{array}{c} 9092 \\ 9681 \end{array}$	$\begin{array}{c} 9151 \\ 9740 \end{array}$	$\frac{9210}{9799} \\ \hline 0387$	$\frac{9269}{9857} \\ \hline 0446$		7 41 8 47	.
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4681 5269 5857	$4740 \\ 5328 \\ 5915$	4799 5386 5974	$4857 \\ 5445 \\ 6033$	$\begin{array}{c} 4916 \\ 5504 \end{array}$	4387 4975 5563 6151 6738	$\begin{array}{c} 5034 \\ 5622 \end{array}$	$5093 \\ 5680 \\ 6268$	$5151 \\ 5739 \\ 6327$	5210		
8207 8794	7678 8266 8853	7737 8325 8912	$8383 \\ 8971$	8442 9029	$\begin{array}{c} 8501 \\ 9088 \end{array}$	$\begin{array}{c} 8560 \\ 9147 \end{array}$	$8031 \\ 8618 \\ 9206$	$8090 \\ 8677$	8736		
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	866 2873 3464 4055 4646 5827 6417 7008 7598: 8188 8778 9368 9958 867 0548 1138 1728 2317 2907 2907 3496 4086 4675 5264 5264 1152 1740 2329 2917 3505 4093 4681 5269 5857 6444 7032 7620 8207 87620 8207 8778 868 0564 1152 11740 11740 117	866 2873 2932 3464 3523 4055 4114 4646 4705 5236 5295 5827 5886 6417 6476 7058 7067 7598 7657 8188 8247 8778 8837 9368 9427 9958 0017 867 0548 0607 1138 1197 1728 1786 2317 2376 2907 2966 3496 3555 4086 4145 4675 4734 5264 4523 5853 5912 6442 6501 7031 7090 7620 7679 8209 8268 8798 8857 9387 9445 9975 0034 868 0564 0622 1152 1211 1740 1799 2329 2388 2917 2976 3505 3564 4093 4152 4681 4740 5269 5328 5857 5915 6446 6503 7032 7091 7620 7678 8207 8266 8794 8853 9382 9441 9969 0028 869 0556 0615 1143 1202 1730 1789	\$66 2873 2932 2992 3464 3523 3582 4055 4114 4173 4646 4705 4764 5236 5295 5354 5827 5886 5945 6417 6476 6535 7008 7067 7126 7598 7657 7716 8188 8247 8306 8778 8837 8896 9368 9427 9486 9158 00017 0076 867 0548 0607 0076 867 0548 0607 2076 867 0548 0607 4076 1138 1197 1256 1728 1786 1845 2317 2376 2435 2907 2966 3255 3614 4086 4145 4203 4675 4734 4793 5264 5323 5385 58912 5971 6442 6501 6560 7031 7090 7149 7620 7679 7738 8209 8268 8327 8798 8857 8916 9387 9445 9504 9975 0034 0093 868 0564 0622 0681 1152 1211 1270 1740 1799 1858 2329 2388 2446 2917 2976 3035 3505 3564 3623 4093 4152 4211 4681 4740 4799 5269 5328 5386 5857 5915 5974 6444 6503 6562 7032 7091 7150 7620 7678 7737 8207 8266 8325 8794 8853 8912 9382 9441 9499 9969 0028 0086 869 0556 0615 0674 1143 1202 1261 1730 1789 1848	$\begin{array}{c} 866\ 2873\ 2932\ 2992\ 3051\\ 3464\ 3523\ 3582\ 3641\\ 4055\ 4114\ 4173\ 4232\\ 4646\ 4705\ 4764\ 4823\\ 5236\ 5295\ 5354\ 5413\\ 5827\ 5886\ 5945\ 6004\\ 6417\ 6476\ 6535\ 6594\\ 7008\ 7067\ 7126\ 7185\\ 7598\ 7667\ 7716\ 7775\\ 8188\ 8247\ 8306\ 8365\\ 8778\ 8837\ 8896\ 8955\\ 9368\ 9427\ 9486\ 9545\\ 9958\ 0017\ 0076\ 0135\\ 867\ 0548\ 0607\ 0666\ 0725\\ 1138\ 1197\ 1256\ 1315\\ 1728\ 1786\ 1845\ 1904\\ 2317\ 2376\ 2435\ 2494\\ 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1256 1315 1374 1433 1492 1551 1610 1669 1728 1786 1845 1904 1903 2022 2081 2140 2199 2258 2317 2376 2435 2494 2553 2612 2671 2730 2789 2848 2907 2966 3025 3084 3142 3201 3260 3319 3378 3437 3496 3555 3614 3673 3732 3791 3850 3909 3968 4027 4086 4145 4203 4262 4321 4380 4439 4498 4557 4616 4675 4734 4793 4852 4911 4970 5028 5087 5146 5205 5264 5323 5382 5441 5500 5559 5618 5677 5735 5794 5853 5912 5971 6030 6089 6148 6207 6266 6325 6388 1644 6501 6560 6619 6678 6737 6796 6855 6914 6972 318 7600 779 7788 7797 7856 7915 7974 8032 8091 8150 588 586 4642 6501 6560 6619 6678 6737 6796 6855 6914 6972 318 7791 7791 7791 7791 7791 7791 7791 77

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7400 01 02 03 04 05	3491 4077 4664	2963 3549 4136 4723	3021 3608 4195 4781	2493 3080 3667 4253 4840 5427	3139 3725 4312 4899	3197 3784 4371 4957	$3256 \\ 3843 \\ 4429$	2728 3315 3901 4488 5075 5661	$3373 \\ 3960 \\ 4547$	3432 4019 4605 5192	
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16 17 18 19 20	2868	$2341 \\ 2927 \\ 3512$	$2400 \\ 2985 \\ 3571$	1873 2458 3044 3629 4215	2517 3102 3688	2576 3161 3746	$2634 \\ 3220 \\ 3805$	2107 2693 3278 3863 4449	$\begin{array}{c} 2751 \\ 3337 \end{array}$		59
7421 22 23 24 25	5795 6380	$\begin{array}{c} 5268 \\ 5853 \end{array}$	$\begin{array}{c} 5912 \\ 6497 \end{array}$	4800 5385 5970 6555 7140	$\begin{array}{c} 6029 \\ 6614 \end{array}$	6087	$\begin{array}{c} 5561 \\ 6146 \end{array}$	5034 5619 6204 6789 7374	$5678 \\ 6263 \\ 6848$	6321	1 6 2 12 3 18 4 24 5 30
26 27 28 29 30	8134 8719 9304 9888	8193 8777 9362 9947	$\begin{array}{c} 8251 \\ 8836 \\ \underline{9421} \\ 0005 \end{array}$	$7725 \\ 8310 \\ 8894 \\ \underline{9479} \\ 0063$	$\begin{array}{c} 8368 \\ 8953 \\ \underline{9537} \\ 0122 \end{array}$	8427 9011 9596	8485 9070	$7959 \\ 8544 \\ 9128 \\ \underline{9713} \\ 0297$	8602 9187 9771	$8660 \\ 9245$	6 35 7 41 8 47 9 53
•7431 32 33 34 35	1641 2226 2810	1115 1700 2284 2868	1174 1758 2342 2927	1232 1817 2401 2985	1291 1875 2459 3043	1349 1933 2518 3102	$1408 \\ 1992 \\ 2576 \\ 3160$	0882 1466 2050 2634 3219	$\begin{array}{c} 1524 \\ 2109 \\ 2693 \\ 3277 \end{array}$	1583 2167 2751 3335	
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46 47 48 49 7450	9814 872 0397 0980	$\begin{array}{c} 0455 \\ 1038 \end{array}$	$\begin{array}{c} 0513 \\ 1096 \end{array}$	9988	$0047 \\ 0630 \\ 1213$	$0105 \\ 0688 \\ 1271$	$0163 \\ 0747 \\ 1330$	$\begin{array}{r} 9639 \\ \hline 0222 \\ 0805 \\ 1388 \\ 1971 \end{array}$	$\begin{array}{c} 0863 \\ 1446 \end{array}$	$ \begin{array}{r} 0338 \\ 0921 \\ 1504 \end{array} $	

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56 57 58 59 60	505 564 622 680 738	1 5700 4 6282 6 6864	5758 6340 6923	$5816 \\ 6398 \\ 6981$	$\begin{array}{c} 5874 \\ 6457 \end{array}$		5408 5991 6573 7155 7738	5467 6049 6631 7214 7796	$\begin{array}{c} 5525 \\ 6107 \\ 6690 \\ 7272 \\ 7854 \end{array}$	6748	
62 63 64 65	855 913	4 9193 6 9774	$8669 \\ 9251$	8727 9309 9891	$9367 \\ 9949$	$\begin{array}{c} 8261 \\ 8843 \\ \underline{9425} \\ \overline{0007} \\ 0589 \end{array}$	$\begin{array}{c} 8320 \\ 8902 \\ \underline{9484} \\ \overline{0065} \\ 0647 \end{array}$	9542	$\begin{array}{c} 8436 \\ 9018 \\ \underline{9600} \\ \overline{0182} \\ 0764 \end{array}$	$\tfrac{9658}{0240}$	
66 67 68 69 70	088 146 204 262 320	$\begin{array}{ccc} 2 & 1520 \\ 3 & 2101 \end{array}$	0996 1578 2159 2741 3322	$\frac{2218}{2799}$	$1694 \\ 2276 \\ 2857$	$2334 \\ 2915$	1229 1810 2392 2973 3555	$\begin{array}{c} 2450 \\ 3032 \end{array}$	$\begin{array}{c} 1345 \\ 1927 \\ 2508 \\ 3090 \\ 3671 \end{array}$	3148	58
7471 72 73 74 75	378 436 495 553 611	9 4427 0 5008 1 5589	$\begin{array}{c} 4485 \\ 5066 \end{array}$		$4601 \\ 5182 \\ 5763$	$\frac{4659}{5240}$	4136 4717 5298 5880 6461		$\begin{array}{c} 4252 \\ 4834 \\ 5415 \\ 5996 \\ 6577 \end{array}$	4311 4892 5473 6054 6635	1 6 2 12 3 17 4 23 5 29
76 77 78 79 80		4 7332	$7971 \\ 8551$	7448 8029 8610	7506 8087 8668	$7564 \\ 8145 \\ 8726$	7041 7622 8203 8784 9364	$7680 \\ 8261 \\ 8842$	7158 7738 8319 8900 9480	8958	6 35 7 41 8 46 9 52
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86 87 88 89 90	365 423	8 3136 8 3716	$3194 \\ 3774 \\ 4354$		$\frac{3890}{4470}$	2788 3368 3948 4528 5108	$3426 \\ 4006 \\ 4586$	$\frac{3484}{4064}$	$3542 \\ 4122 \\ 4702$	3020 3600 4180 4760 5340	
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7500 01 02 03 04	$\frac{1771}{2349}$	$\begin{array}{c} 1250 \\ 1828 \\ 2407 \end{array}$	0728 1307 1886 2465 3044	$1365 \\ 1944 \\ 2523$	$1423 \\ 2002 \\ 2581$	1481 2060 2639 3218	$0960 \\ 1539 \\ 2118 \\ 2697 \\ 3275$	1597 2176 2755 3333	$\begin{array}{c} 1655 \\ 2234 \\ 2813 \end{array}$	$1713 \\ 2292 \\ 2870$	
05 06 07 08 09 10 7511 12 13	4664 5243 5821 6399 6978 7556	4143 4722 5300 5879 6457 7035 7614	7093 7671	4259 4838 5416 5995 6573 7151 7729	4317 4896 5474 6052 6631 7209 7787	4375 4953 5532 6110 6689 7267 7845	5011 5590 6168 6746	4491 5069 5648 6226 6804 7382 7960	4548 5127 5705 6284 6862 7440 8018	5185 5763 6342 6920 7498 8076	
13 14 15 16 17 18 19 20	8712 9290 9868 876 0446 1023 1601	8770 9348 9925 0503 1081 1659	9983 0561 1139	$\begin{array}{c} 8885 \\ 9463 \\ \hline 0041 \\ 0619 \\ 1197 \\ 1774 \end{array}$	$8943 \\ 9521 \\ \hline 0099 \\ 0677 \\ 1254 \\ 1832$	9001 9579 $\overline{0157}$ 0734 1312	$\begin{array}{c} 9059 \\ 9637 \\ \hline 0214 \\ 0792 \\ 1370 \\ 1947 \end{array}$	$\begin{array}{c} 9116 \\ 9694 \\ \hline 0272 \\ 0850 \\ 1428 \\ 2005 \end{array}$	$9174 \\ 9752 \\ \hline 0330 \\ 0908$	$\begin{array}{c} 9232 \\ 9810 \\ \hline 0388 \\ 0965 \\ 1543 \\ 2121 \end{array}$	58
7521 22 23 24 25 26	3333 3911 4488 5065	3391 3968 4546	5180	3506 4084 4661 5238	3564 4142 4719 5296	4199 4776 5354	3102 3680 4257 4834 5411 5988	3737 4315 4892 5469	4372 4950 5527	3853 4430 5007 5584	1 2 1 3 1 4 2 5 2 6 3 7 4
27 28 29 30 7531	6219 6796 7373 7950	6277 6854 7431 8007	6335 6911 7488	6392 6969 7546 8123	6450 7027 7604 8180	6508 7085 7661 8238	6565 7142	6623 7200 7777 8353	$6681 \\ 7258 \\ 7834$	6738 7315 7892 8469	8 4 9 6
32 33 34 35 36	9103 9680 877 0256 0833	9161 9737 0314 0890	$9218 \\ 9795$	9276 9853 0429 1005	9334 9910 0487 1063	$\begin{array}{c} 9391 \\ 9968 \end{array}$	$\begin{array}{c} 9449 \\ \hline 0026 \\ 0602 \\ 1178 \end{array}$	$\frac{9507}{0083}$	$\begin{array}{r} 9564 \\ \hline 0141 \\ 0717 \\ 1294 \end{array}$	$\begin{array}{c} 9622 \\ \hline 0199 \\ 0775 \\ 1351 \end{array}$	
37 38 39 40 7541	1985 2561 3137 3713	2043 2619 3195 3771	2100 2677 3253 3829 4405	2158 2734 3310 3886	2216 2792 3368 3944	$\frac{2273}{2849}$	2331 2907 3483 4059	$\frac{2388}{2965}$	2446 3022 3598 4174	2504 3080 3656 4232	
42 43 44 45 46	4865 5441 6017 6592	4923 5499 6074 6650	4980 5556 6132 6708 7283	5038 5614 6189 6765	5096	5153 5729 6305 6880	5211 5787 6362 6938	5268 5844 6420 6995	5326 5902 6477 7053	5384 5959 6535 7110	
47 48 49 7550	7743 8319 8894	7801 8376 8952		7916 8492 9067	7974 8549 9124	8031 8607 9182	8664	8146 8722 9297	8204 8779 9354	8261 8837 9412	

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7561 62 63 64 65	6941 7515 8089	5850 6424 6998 7573 8147	6482 7056 7630 8204	5965 6539 7113 7687 8262	6022 6596 7171 7745 8319	6080 6654 7228 7802 8376	6711 7286 7860 8434	6194 6769 7343 7917 8491	$6826 \\ 7400 \\ 7975 \\ 8549$	6884 7458 8032 8606	
66 67 68 69 70	879 0385 0959	$\begin{array}{c} 0442 \\ 1016 \end{array}$	$\begin{array}{c} 0500 \\ 1074 \end{array}$	1131	1188	$\begin{array}{r} 9524 \\ \hline 0098 \\ 0672 \\ 1246 \end{array}$		1360	1418	$\begin{array}{c} 0901 \\ 1475 \end{array}$	57
7571 72 73 74 75	3253 3826	2163 2737 3310 3884	1647 2221 2794 3368 3941	2852 3425 3998	1762 2335 2909 3482 4056	2393 2966 3540 4113	3024 3597 4170	$\frac{3654}{4228}$	2565 3138 3712 4285	2049 2622 3196 3769 4342	1 6 2 11 3 17 4 23 5 29 6 34
76 77 78 79 80	5546 6119 6692	5603 6176 6749	4514 5088 5661 6234 6807	5718 6291 6864	$6348 \\ 6921$	$6406 \\ 6979$	5890 6463 7036	$\begin{array}{c} 6520 \\ 7093 \end{array}$	4858 5431 6004 6577 7150	4916 5489 6062 6635 7208	7 40 8 46 9 51
7581 82 83 84 85	8411 8983 9556	8468 9041 9613	$\frac{9098}{9670}$	8582 9155 9728	8640 9212 9785	8124 8697 9270 9842	$9327 \\ 9899$	8811 9384 9957	$\tfrac{9441}{0014}$	$\tfrac{9499}{0071}$	
86 87 88 89 90	1273 1846 2418	0758 1330 1903 2475	0815 1388 1960 2532	0873 1445 2017 2589	1502 2074 2647		1617 2189 2761		-	0644 1216 1788 2361 2933	
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96 97 98 99 7600	6421 6993 7564	$6478 \\ 7050 \\ 7622$	7107	6593 7164 7736	6078 6650 7222 7793 8364	6135 6707 7279 7850 8422	6764 7336 7907	6250 6821 7393 7964 8536	6879 7450 8022	6936 7507 8079	

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06 07 08 09 10 7611	2134 2705 3276 3847	2191 2762 3333 3904	1677 2248 2819 3390 3961 4531	2305 2876 3447 4018	2363 2933 3504 4075	$\begin{array}{c} 2420 \\ 2990 \\ 3561 \\ 4132 \end{array}$	1906 2477 3048 3618 4189	$\begin{array}{c} 2534 \\ 3105 \\ 3675 \\ 4246 \end{array}$	2591 3162 3732 4303	3219 3789 4360	
12 13 14 15	4988 5558 6129 6699	5045 5615 6186 6756	5102 5672 6243 6813	5159 5729 6300 6870	5216 5786 6357 6927	5273 5844 6414 6984	5330 5901 6471 7041	5387 5958 6528 7098	5444 6015 6585 7155	5501 6072 6642 7212	
16 17 18 19 20	7840 8410 8980 9550	7897 8467 9037 9607	7383 7954 8524 9094 9664	8011 8581 9151 9721	8068 8638 9208 9778	8125 8695 9265 9835	7611 8182 8752 9322 9892	8239 8809 9379 9949	$\begin{array}{c} 8296 \\ 8866 \\ \underline{9436} \\ 0006 \end{array}$	$8923 \\ 9493 \\ \hline 0063$	57
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26 27 28 29 30	3537 4107 4676	3594 4164 4733	3082 3651 4221 4790 5359	$3708 \\ 4278 \\ 4847$	$3765 \\ 4335 \\ 4904$	3822 4392 4961	3310 3879 4448 5018 5587	$3936 \\ 4505 \\ 5075$	$3993 \\ 4562 \\ 5132$	$\begin{array}{c} 4050 \\ 4619 \end{array}$	7 40 8 46 9 51
7631 32 33 34 35	6384 6953 7522	6441 7010 7578	5928 6497 7066 7635 8204	$6554 \\ 7123 \\ 7692$	6611 7180 7749	6668 7237 7806	7294	$6782 \\ 7351 \\ 7920$	6839 7408 7977	6896 7465 8034	,
36 37 38 39 40	9228 9797 883 0365	$9285 \\ 9853 \\ 0422$	8773 9342 9910 0479 1047	9399 9967 0536	$\begin{array}{c} 9455 \\ \hline 0024 \\ 0593 \end{array}$	$\frac{9512}{0081}$ 0649	$\begin{array}{c} 9000 \\ \underline{9569} \\ \overline{0138} \\ 0706 \\ 1275 \end{array}$	$\begin{array}{c} 9626 \\ \hline 0195 \\ 0763 \end{array}$	$\frac{9683}{0251}$ 0820	$\begin{array}{c} 9740 \\ \hline 0308 \\ 0877 \end{array}$	
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46 47 48 49 7650	4911 5479 6047	4968 5536 6103	4457 5024 5592 6160 6728	5081 5649 6217	5138 5706 6274	5195 5763 6330	4684 5252 5819 6387 6955	5308 5876 6444	5365 5933 6501	5422 5990 6558	

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7650 51 52 53 54 55	9452	7239 7806 8374 8941 9509	9565	$\begin{array}{c} 8487 \\ 9055 \\ 9622 \end{array}$	9679	$8601 \\ 9168 \\ 9736$	$\boldsymbol{9792}$	8714 9282 9849	8204 8771 9338 9906	8828 9395 9963		
56 57 58 59 60	$1154 \\ 1721$	$0643 \\ 1210 \\ 1777$	0700	$\begin{array}{c} 1324 \\ 1891 \end{array}$	$\begin{array}{c} 0813 \\ 1380 \end{array}$	$0870 \\ 1437 \\ 2004$	0360 0927 1494 2061 2628	$\begin{array}{c} 0983 \\ 1551 \\ 2118 \end{array}$	$1040 \\ 1607 \\ 2174$	$1097 \\ 1664 \\ 2231$		
7661 62 63 64 65	$3421 \\ 3988 \\ 4555$	2911 3478 4045 4612 5178	$3535 \\ 4102 \\ 4668$	3025 3592 4158 4725 5292	$3081 \\ 3648 \\ 4215 \\ 4782 \\ 5348$	4838		4952	$3875 \\ 4442 \\ 5008$	3365 3932 4498 5065 5631		
66 67 68 69 70	7387		$6368 \\ 6934 \\ 7501$		5915 6481 7048 7614 8180	5971 6538 7104 7671 8237	$6594 \\ 7161 \\ 7727$	$\begin{array}{c} 6085 \\ 6651 \\ 7217 \\ 7784 \\ 8350 \end{array}$	6708 7274 7840	6764 7331 7897	57	
7671 72 73 74 75	$9086 \\ 9652 \\ 8850218$	$\begin{array}{c} 9709 \\ 0275 \end{array}$	$9199 \\ 9765$	$\begin{array}{c} 9822 \\ 0388 \end{array}$	$9878 \\ 0444$	8803 9369 9935 0501 1067	0557	$\overline{0}\overline{0}\overline{4}\overline{8}$	$\begin{array}{c} 9539 \\ \hline 0105 \\ 0671 \end{array}$	$\overline{0}\overline{1}\overline{6}\overline{1}$	1 6 2 11 3 17 4 23 5 29	
76 77 78 79 80	$1915 \\ 2481 \\ 3047$	$\begin{array}{c} 2538 \\ 3103 \end{array}$	$\begin{array}{c} 2029 \\ 2594 \end{array}$	$\begin{array}{c} 2651 \\ 3216 \end{array}$		$\begin{array}{c} 1633 \\ 2198 \\ 2764 \\ 3329 \\ 3895 \end{array}$		$2311 \\ 2877 \\ 3443$		$\begin{array}{c} 2990 \\ 3556 \end{array}$	6 34 7 40 8 46 9 51	
7681 82 83 84 85	4743 5308 5874	4234 4800 5365 5930 6495	$4856 \\ 5421 \\ 5987$	6043	5534	$5026 \\ 5591 \\ 6156$	$\begin{array}{c} 5082 \\ 5647 \end{array}$	$\begin{array}{c} 5704 \\ 6269 \end{array}$	$5195 \\ 5761 \\ 6326$	$5252 \\ 5817 \\ 6382$		
86 87 88 89 90	7569 8134 8699	7060 7625 8190 8755 9320	7682 8247 8812	7738 8303 8868	8360	$7851 \\ 8416$	$8473 \\ 9037$	$\begin{array}{c} 7964 \\ 8529 \end{array}$	8021 8586 9150	8077 8642		
7691 92 93 94 95	$8860393\\0957\\1522$		$\begin{array}{c} 1070 \\ 1635 \end{array}$	$0562 \\ 1127 \\ 1691$	$ \begin{array}{r} 0054 \\ 0619 \\ 1183 \\ 1748 \\ 2312 \end{array} $	$0675 \\ 1240 \\ 1804$	$\begin{array}{c} 1296 \\ 1860 \end{array}$	$\begin{array}{c} 0788 \\ 1352 \\ 1917 \end{array}$	$ \begin{array}{r} \hline 0280 \\ 0844 \\ 1409 \\ 1973 \\ 2538 \\ \end{array} $	$0901 \\ 1465 \\ 2030$		
96 97 98 99 7700	3215	2707 3271 3835 4400 4964	$\begin{array}{c} 3328 \\ 3892 \end{array}$	2820 3384 3948 4512 5076	$3441 \\ 4005 \\ 4569$	2933 3497 4061 4625 5189	$\bf 4682$		4794	$3723 \\ 4287 \\ 4851$		
	M - 1 minute - 1947 (2-) emanue, established									1	20	!

7700								,			
No.	0	1	2	3	4	5	6 \	7	8	9	Diff
7700 01 02 03 04 05	66035 6599 77163	5528 6092 6655 7219	6712	5640 6204 6768 7332	5697 6261 6824 7388	5753 6317	5810 6373 6937 7501	5302 5866 6430 6994 7557 8121	5922 6486 7050 7614	5979 6543 7106 7670	
06 07 08 09 10	8854 9417 9980 887 0544	$\begin{array}{c} 8910 \\ \underline{9473} \\ \underline{0037} \\ 0600 \end{array}$		$\begin{array}{c} 9023 \\ \underline{9586} \\ 0149 \\ 0713 \end{array}$	$\begin{array}{c} 9079 \\ 9642 \\ \hline 0206 \\ 0769 \end{array}$	$\begin{array}{c} 9135 \\ \underline{9699} \\ 0262 \\ 0825 \end{array}$	$\begin{array}{c} 9192 \\ \underline{9755} \\ \overline{0318} \\ 0882 \end{array}$	$\begin{array}{c} 8685 \\ 9248 \\ 9811 \\ \hline 0375 \\ 0938 \\ \end{array}$	$\begin{array}{c} 9304 \\ \underline{9868} \\ \overline{0431} \\ 0994 \end{array}$	$\begin{array}{c} 9361 \\ \underline{9924} \\ \overline{0487} \\ 1051 \end{array}$	
7711 12 13 14 15	2233 2796 3359	1727 2290 2853 3416	1220 1783 2346 2909 3472	1839 2402 2965 3528	1895 2459 3022 3584	2515 3078 3641	2571 3134 3697	2064 2627 3190 3753	2684 3247 3810	2177 2740 3303 3866	
16 17 18 19 20	4485 5048 5610 6173	4541 5104 5667 6229	6286	4654 5217 5779 6342	4710 5273 5835 6398	4766 5329 5892 6454	$\begin{array}{c} 5948 \\ 6511 \end{array}$	4879 5442 6004 6567	$\begin{array}{c} 6060 \\ 6623 \end{array}$	5554 6117 6679	56
7721 22 23 24 25	7298 7860 8423 8985	7354 7917 8479 9041	7973 8535 9097	7467 8029 8591 9154	7523 8085 8648 9210	8142 8704 9266	7635 8198 8760 9322	8254 8816 9378	$8872 \\ 9435$	8366 8929 9491	1 2 1 3 1 4 2 5 2 6 3
26 27 28 29 30	888 0109 0671 1233 1795	0165 0727 1289 1851	0784 1345 1907	0278 0840 1402 1963	0334 0896 1458 2020	0390 0952 1514 2076	0446 1008 1570 2132	9941 0503 1064 1626 2188	0559 1121 1683 2244	1177 1739 2301	7 8 8 4 9 6
7731 32 33 34 35	2918 3480 4042 4603	2975 3536 4098 4659	2469 3031 3592 4154 4715	3087 3649 4210 4772	3143 3705 4266 4828	3199 3761 4322 4884	3255 3817 4379 4940	2750 3312 3873 4435 4996	3368 3929 4491 5052	3424 3986 4547 5108	
36 37 38 39 40	5726 6287 6848 7410	5782 6343 6905 7466	$6400 \\ 6961 \\ 7522$	5894 6456 7017 7578	6512 7073 7634	6007 6568 7129 7690	6063 6624 7185 7746		6175 6736 7297 7858	6231 6792 7353 7915	
7741 42 43 44 45	8532 9093 9653 889 0214	8588 9149 9710 0270	8083 8644 9205 9766 0326	8700 9261 9822 0382	8756 9317 9878 0439	8812 9373 9934 0495	9429 9990 0551	$\begin{array}{c} 8924 \\ \underline{9485} \\ 0046 \\ 0607 \end{array}$	$\begin{array}{c} 9541 \\ \hline 0102 \\ 0663 \end{array}$	$9037 \\ 9597 \\ \hline 0158 \\ 0719$	
46 47 48 49 7750	1336 1896 2457	1392 1952 2513	0887 1448 2008 2569 3129	$\begin{array}{c} 1504 \\ 2064 \\ 2625 \end{array}$	$\begin{array}{c} 1560 \\ 2120 \\ 2681 \end{array}$	$\begin{array}{c} 1616 \\ 2176 \\ 2737 \end{array}$	$\begin{array}{c} 2232 \\ 2793 \end{array}$	1728	1784 2345 2905	1840 2401 2961	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7750 51 52 53 54 55	4138 4698 5258	3073 3633 4194 4754 5314 5874	3689 4250 4810 5370	3745 4306 4866 5426	4362 4922 5482	4418 4978 5538	3353 3914 4474 5034 5594 6154	3970 4530 5090 5650	4026 4586 5146 5706	$\begin{bmatrix} 5202 \\ 5762 \end{bmatrix}$	
56 57 58 59 60	6938 7498 8058	6434 6994 7554 8113 8673	7050 7610 8169	7106	7162 7722 8281	6658 7218 7778 8337 8897	7274 7834 8393	7330 7890 8449	6826 7386 7946 8505 9065	7442 8002 8561	
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66 67 68 69 70	$\frac{3092}{3651}$	2589	$2645 \\ 3204 \\ 3763$	$\begin{array}{c} 3260 \\ 3819 \end{array}$		3372	2309 2869 3428 3987 4546	2924	$\frac{2980}{3539}$	$3036 \\ 3595 \\ 4154$	56
7771 72 73 74 75	5328 5887 6445	4825 5384 5943 6501 7060	$5440 \\ 5998 \\ 6557$	$\begin{array}{c} 5496 \\ 6054 \end{array}$	6110	5607 6166 6725		$\begin{array}{c} 5719 \\ 6278 \end{array}$	$\begin{array}{c} 5775 \\ 6334 \end{array}$	6389	1 6 2 11 3 17 4 22 5 28 6 34
76 77 78 79 80	8121 8679 9238	7618 8177 8735 9294 9852	8233 8791 9349	$8289 \\ 8847 \\ 9405$	9461	9517	$8456 \\ 9014$	8512 9070 9629	$\begin{array}{c} 8009 \\ 8568 \\ 9126 \\ \underline{9684} \\ 0243 \end{array}$	8624 9182 9740	7 39 8 45 9 50
7781 82 83 84 85	$1470 \\ 2028$	0410 0968 1526 2084 2642	$1024 \\ 1582 \\ 2140$	$1080 \\ 1638 \\ 2196$	1135 1694 2251	$\frac{1191}{1749}$	0689 1247 1805 2363 2921	0745 1303 1861 2419 2977	1359 1917 2475		
86 87 88 89 90	3144 3702 4259 4817 5375	3758 4315 4873	3256 3813 4371 4929 5486	3869 4427 4984	$\frac{3925}{4482}$	$\frac{3981}{4538}$	5152	$\frac{4092}{4650}$	4148 4706 5263		
7791 92 93 94 95			$6601 \\ 7158 \\ 7715$	6657 7214 7771	6712 7270 7827	6768 7325 7883	7381	$6880 \\ 7437 \\ 7994$	6935	6991 7548 8105	
96 97 98 99 7800	9275 9832 892 0389	$9888 \\ 0445$	9387 9944 0501	9442 9999 0556	$\frac{9498}{0055}$	$\frac{9554}{0111}$	$\begin{array}{c} 9053 \\ \underline{9610} \\ 0166 \\ 0723 \\ 1280 \end{array}$	$\frac{9665}{0222}$	$\frac{9721}{0278}$ 0835	$\begin{array}{c} \overline{0334} \\ 0890 \end{array}$	
-											141

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7800 01 02 03 04	$2059 \\ 2616$	1558 2115 2672 3228	1614 2171 2727 3284	$\begin{array}{c} 1670 \\ 2226 \\ 2783 \\ 3340 \end{array}$	1725 2282 2839 3395	1781 2338 2894 3451	3506	$\begin{array}{c} 1892 \\ 2449 \\ 3006 \\ 3562 \end{array}$	1948 2505 3061 3618	2004 2560 3117 3673	-
05 06 07 08 09 10 7811 12 13	4285 4842 5398 5954 6510 7066 7622 8178	4341 4897 5454 6010 6566 7122 7678 8234	4397 4953 5509 6065 6622 7178 7734 8289	4452 5009 5565 6121 6677 7233 7789 8345	5064 5621 6177 6733 7289 7845 8401	4564 5120 5676 6232 6788 7344 7900 8456	4063 4619 5176 5732 6288 6844 7400 7956 8512	4675 5231 5787 6344 6900 7456 8011 8567	4731 5287 5843 6399 6955 7511 8067 8623	4786 5342 5899 6455 7011 7567 8123 8678	
14 15 16 17 18 19 20 7821	9290 9846 893 0401 0957 1512 2068	9345 9901 0457 1012 1568 2123	9401 9957 0512 1068 1623 2179	8901 9457 0012 0568 1123 1679 2234 2789	$\begin{array}{c} 9512 \\ \hline 0068 \\ 0623 \\ 1179 \\ 1734 \\ 2290 \\ \end{array}$	$\begin{array}{c} 9568 \\ \hline 0123 \\ 0679 \\ 1234 \\ 1790 \\ 2345 \\ \end{array}$	9068 9623 0179 0734 1290 1845 2401 2956	$\begin{array}{c} 9679 \\ \hline 0234 \\ 0790 \\ 1345 \\ 1901 \\ 2456 \\ \end{array}$	$\begin{array}{c} 9734 \\ \hline 0290 \\ 0846 \\ 1401 \\ 1956 \\ 2512 \\ \end{array}$	$\overline{0346}$ 0901 1457 2012 2567	56
22 23 24 25 26	3178 3733 4288 4843	3234 3789 4344 4899	3289 3844 4399 4954	3345 3900 4455 5010 5565	3400 3955 4510 5065	3456 4011 4566 5121	3511 4066 4621 5176 5731	3567 4122 4677 5232	3622 4177 4732 5287	3678 4233 4788 5343	1 6 2 11 3 17 4 22 5 28 6 34
27 28 29 30	5953 6508 7063 7618	6009 6564 7118 7673	6064 6619 7174 7729	6120 6675 7229 7784 8339	6175 6730 7285 7839	6231 6786 7340 7895	6286 6841 7396 7950 8505	6342 6897 7451 8006	6397 6952 7507 8061	6453 7007 7562 8117	7 39 8 45 9 50
7831 32 33 34 35	8727 9281 9836 894 0390	8782 9337 9891 0445	8838 9392 9947 0501	$\begin{array}{r} 8893 \\ \underline{9448} \\ 0002 \\ 0556 \end{array}$	$\begin{array}{c} 8949 \\ 9503 \\ \hline 0057 \\ 0612 \end{array}$	9004 9558 $\overline{0113}$ 0667	$9059 \\ 9614 \\ \hline 0168 \\ 0723$	$\begin{array}{c} 9115 \\ 9669 \\ \hline 0224 \\ 0778 \end{array}$	$\begin{array}{c} 9170 \\ \underline{9725} \\ 0279 \\ 0833 \end{array}$	$\begin{array}{c} 9226 \\ \underline{9780} \\ 0335 \\ 0889 \end{array}$	
36 37 38 39 40	1498 2053 2607 3161	1554 2108 2662 3216	$1609 \\ 2163 \\ 2717 \\ 3271$	1665 2219 2773 3327	2274 2828 3382	2330 2884 3438	1831 2385 2939 3493	1886 2440 2994 3548	$2496 \\ 3050 \\ 3604$	1997 2551 3105 3659	6
7841 42 43 44 45	4268 4822 5376 5929	4324 4878 5431 5985	4379 4933 5487 6040	3881 4435 4988 5542 6096	4490 5044 5597 6151	4545 5099 5653 6206	4047 4601 5154 5708 6262	4656 5210 5763 6317	4711 5265 5819 6372	4767 5320 5874 6428	
46 47 48 49 7850	7037 7590 8143	7092 7645 8199	7147 7701 8254	6649 7203 7756 8309 8863	7258 7811 8365	7313 7867 8420	6815 7369 7922 8475 9028	7424 7977 8531	$8033 \\ 8586$	$7535 \\ 8088 \\ 8641$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7850 51 52 53 54 55	$\begin{array}{r} 9803 \\ 8950356 \\ 0909 \end{array}$	$\begin{array}{c} 9305 \\ 9858 \end{array}$	9360 9914 0467 1020	9416 9969 0522 1075	$\frac{9471}{0024}$	$\begin{array}{r} 9526 \\ \hline 0079 \\ 0632 \\ 1185 \end{array}$	$\begin{array}{c} 9582 \\ \hline 0135 \\ 0688 \\ 1241 \end{array}$	$\begin{array}{c} 9084 \\ \underline{9637} \\ \overline{0190} \\ 0743 \\ 1296 \\ 1849 \end{array}$	$\begin{array}{c} 9692 \\ \hline 0245 \\ 0798 \\ 1351 \end{array}$	$\begin{array}{c} 9748 \\ \hline 0301 \\ 0854 \\ 1407 \end{array}$	
56 57 58 59 60	$2568 \\ 3120 \\ 3673$	$\begin{array}{c} 2623 \\ 3176 \end{array}$	$\begin{array}{c} 3231 \\ 3783 \end{array}$	$\begin{array}{c} 3286 \\ 3839 \end{array}$	$2789 \\ 3341 \\ 3894$	$\frac{3397}{3949}$	$\boldsymbol{2899}$	$2954 \\ 3507 \\ 4060$	3562	$\frac{3618}{4170}$	
7861 62 63 64 65	5330 5883	$5386 \\ 5938 \\ 6490$	$\begin{array}{c} 5993 \\ 6545 \end{array}$		$5551 \\ 6104 \\ 6656$	5607 6159 6711	$\begin{array}{c} 6214 \\ 6766 \end{array}$	5165 5717 6269 6822 7374	6877	5275 5828 6380 6932 7484	
66 67 68 69 70	$8092 \\ 8644 \\ 9195$	8147	$8202 \\ 8754 \\ 9306$	$\begin{array}{c} 8809 \\ 9361 \end{array}$		8368 8919 9471	$8975 \\ 9527$	$\begin{array}{c} 7926 \\ 8478 \\ 9030 \\ \underline{9582} \\ \overline{0134} \end{array}$	$\begin{array}{c} 9085 \\ 9637 \end{array}$	$\begin{array}{c} 8036 \\ 8588 \\ 9140 \\ \underline{9692} \\ 0244 \end{array}$	55
7871 72 73 74 75	$\frac{1403}{1954}$	$\begin{array}{c} 0354 \\ 0906 \\ 1458 \\ 2009 \\ 2561 \end{array}$	$0961 \\ 1513 \\ 2064$	$1016 \\ 1568 \\ 2120$	$1072 \\ 1623 \\ 2175$	$\begin{array}{c} 1127 \\ 1678 \\ 2230 \end{array}$		$1237 \\ 1789 \\ 2340$	1844	$\frac{1347}{1899}$	1 6 2 11 3 17 4 22 5 28
76 77 78 79 80	$3608 \\ 4160 \\ 4711$	3112 3664 4215 4766 5317	$3719 \\ 4270 \\ 4821$	$3774 \\ 4325 \\ 4876$	$3829 \\ 4380 \\ 4931$	3884 4435 4987	$3939 \\ 4491 \\ 5042$	3443 3994 4546 5097 5648	$4050 \\ 4601 \\ 5152$	4105	6 33 7 39 8 44 9 50
7881 82 83 84 85	6364 6915 7466	5868 6419 6970 7521 8072	$6475 \\ 7025 \\ 7576$	6530	$\begin{array}{c} 6585 \\ 7136 \end{array}$	$\begin{array}{c} 6640 \\ 7191 \end{array}$	$6695 \\ 7246$	7301	6805	6309 6860 7411 7962 8513	
86 87 88 89 90	9118 9669 897 0220	8623 9173 9724 0275 0825	$9229 \\ 9779 \\ 0330$	9284 9834 0385	9339 9889 0440	9394 9944 0495	$9449 \\ 9999 \\ 0550$	$\begin{array}{r} 8953 \\ \underline{9504} \\ \hline 0054 \\ 0605 \\ 1155 \end{array}$	$\frac{9559}{0109}$ 0660	$\frac{9614}{0165}$ 0715	
7891 92 93 94 95	1871 2421	$ \begin{array}{c} 1375 \\ 1926 \\ 2476 \\ 3026 \\ 3576 \end{array} $	$1981 \\ 2531$	$2036 \\ 2586 \\ 3136$	$2091 \\ 2641 \\ 3191$	$2146 \\ 2696 \\ 3246$	$\frac{2201}{2751}$	1706 2256 2806 3356 3906	$2311 \\ 2861 \\ 3411$	$\begin{array}{c} 2366 \\ 2916 \end{array}$	
96 97 98 99 7900	4621 5171 5721	4126 4676 5226 5776 6326	$4731 \\ 5281 \\ 5831$	4786 5336 5886	$4841 \\ 5391 \\ 5941$	$4896 \\ 5446 \\ 5996$	$4951 \\ 5501 \\ 6051$	4456 5006 5556 6106 6656	$\frac{5611}{6161}$	5116 5666 6216	

1500											
No.	0	1	2	3	4	5	6	7	8	9	Diff.
7900 01 02 03 04 05	737 792 846	1 6326 21 6876 70 7425 80 7975 89 8524	6931 7480 8030 8579	6986 7535 8085 8634	7040 7590 8140 8689	7095 7645 8195 8744	7150 7700 8250 8799	6656 7205 7755 8304 8854 9403	7260 7810 8359 8909	7315 7865 8414 8964	
06 07 08 09 10	956 898 011 066	88 9623 7 0172 7 0722 6 1271	9678 2 0227 2 0776	9733 0282 0831 1380	9788 9337 0886 1435	9843 0392 0941 1490	9898 9447 9996 1548	9953 7 0502 5 1051 5 1600 4 2149	0008 0557 1106 1655	$0062 \\ 0612 \\ 1161 \\ 1710$	
7911 12 13 14 15	286 341	4 2369 3 2918 2 3467 0 4015 9 4564	$\begin{array}{c} 2973 \\ 3521 \\ 4070 \end{array}$	$3027 \\ 3576 \\ 4125$	3082 3631	3137 3686 4235	3192 3741 4290	3 2698 2 3247 3796 3 4345 3 4893	3302 3851 4399	3357 3906 4454	
16 17 18 19 20	560 615 670	8 5113 6 5661 5 6210 3 6758 2 7307	5716 6265 6813	$5771 \\ 6320 \\ 6868$	$5826 \\ 6374 \\ 6923$	$5881 \\ 6429 \\ 6978$	5936 6484 7032	5442 5990 6539 7087 7636	$6045 \\ 6594 \\ 7142$	6100	55
7921 22 23 24 25	834 889 944	$\begin{array}{c} 0 & 7855 \\ 8 & 8403 \\ 7 & 8951 \\ 5 & 9499 \\ 3 & \hline{0048} \end{array}$	8458 9006 9554	8513 9061 9609	8568 9116 9664	8622 9171 9719	8677 9225 9774	$9280 \\ 9828$	8787 9335 9883	8842 9390	1 6 2 11 3 17 4 22 5 28
26 27 28 29 30	163 218	1 0595 9 1143 6 1691 4 2239 2 2787	1198 1746 2294	1253 1801 2348	1308 1856 2403	1363 1910 2458	1417 1965 2513	0924 1472 2020 2568 3115	$\begin{array}{c} 1527 \\ 2075 \\ 2622 \end{array}$	$\begin{array}{c} 1582 \\ 2129 \\ 2677 \end{array}$	6 33 7 39 8 44 9 50
7931 32 33 34 35	327 382 437 492 546	7 3882 5 4429 2 4977	3389 3937 4484 5031 5579	3991 4539 5086	4046 4594 5141	4101 4648 5196	4156 4703 5250	3663 4210 4758 5305 5852	$4265 \\ 4812 \\ 5360$	4320 4867 5415	
36 37 38 39 40	656 711 765	7 6071 4 6619 1 7166 8 7713 5 8260	6673 7220 7767	6728 7275 7822	6783 7330 7877	6837 7384 7932	6892 7439 7986	6400 6947 7494 8041 8588	7002 7549 8096	7056 7603 8150	
7941 42 43 44 45	929 984 900 039	2 8807 9 9354 6 9900 2 0447 9 0994	$9408 \\ 9955 \\ 0502$	$\begin{array}{c} 9463 \\ \hline 0010 \\ 0556 \end{array}$	$\frac{9518}{0064}$ 0611	$\tfrac{9572}{0119}$	$\begin{array}{c} 9627 \\ \hline 0174 \\ 0720 \end{array}$	$\begin{array}{c} \overline{0228} \\ 0775 \end{array}$	$\begin{array}{c} 9189 \\ 9736 \\ \hline 0283 \\ 0830 \\ 1376 \end{array}$	$\frac{9791}{0338}$ 0884	
46 47 48 49 7950	2033 2579 3125	3 1540 2 2087 9 2633 5 3180 1 3726	2141 2688 3234	2196 2743 3289	2251 2797 3344	2305 2852 3398	$2360 \\ 2906 \\ 3453$	1868 2415 2961 3507 4054	$2469 \\ 3016 \\ 3562$	2524 3070 3617	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7950 51 52 53 54 55	4764 5310 5856	4272	4327 4873 5419 5965	4381 4928 5474 6020	$\begin{array}{c} 4436 \\ 4982 \end{array}$	4491 5037 5583 6129	$4545 \\ 5091 \\ 5637$		4654 5201 5747 6293	$\begin{array}{c} 4709 \\ 5255 \end{array}$	
56 57 58 59 60	7494 8039 8585 9131	7002 7548 8094 8640 9185	7603 8148 8694 9240	7657 8203 8749 9294	8803 9349	$\begin{array}{c} 8858 \\ 9403 \end{array}$	7821 8367 8912 9458	7330 7876 8421 8967 9513 $\overline{0058}$	7930 8476 9022 9567	$\begin{array}{c} 9076 \\ 9622 \end{array}$	
7961 62 63 64 65	901 0222 0767 1313 1858	9731 0276 0822 1367 1912 2458	0331 0876 1422 1967	0385 0931 1476 2021	0440	0494 1040 1585 2130	0549 1094 1640 2185	0058 0604 1149 1694 2239 2785	0658 1203 1749 2294	0713 1258 1803 2349	
66 67 68 69 70	2948 3493 4038 4583	3003 3548 4093 4638	3057 3602 4147 4692	3112 3657 4202 4747	3166 3711 4256 4801	3221 3766 4311 4856	3275 3820 4365 4910	3330 3875 4420 4965	3384 3929 4474 5019	3439 3984 4529 5074	55
7971 72 73 74 75	6218 6762 7307	5727 6272 6817 7361	6327 6871 7416	5836 6381 6926 7470	6436 6980 7525	5945 6490 7035 7579	$6000 \\ 6544 \\ 7089 \\ 7634$		6109 6653 7198 7743	6163 6708 7252 7797	1 6 2 11 3 17 4 22 5 28 6 33
76 77 78 79 80	8396 8940 9485 902 0029		8505 9049 9594 0138	8559 9104 9648 0192	8614 9158 9702 0247	8668 9212 9757 0301	8723 9267 9811 0355	$9866 \\ 0410$	8831 9376 9920 0464	8886 9430 9974 0519	7 39 8 44 9 50
7981 82 83 84 85	1117 1661 2205 2749	0628 1172 1716 2260 2804	1226 1770 2314 2858	1280 1824 2368 2912	1335 1879 2423 2967	1389 1933 2477 3021	1444 1988 2532 3076	0954 1498 2042 2586 3130	1552 2096 2640 3184	1607 2151 2695 3239	
86 87 88 89 90	3837 4381 4924 5468	3347 3891 4435 4979 5522	3946 4489 5033 5577	4000 4544 5087 5631	4054 4598 5142 5685	4109 4652 5196 5740	4163 4707 5250 5794	4761 5305 5848	4272 4815 5359 5903	4326 4870 5413 5957	
7991 92 93 94 95	6555 7098 7641 8185	7152 7696 8239	6663 7207 7750 8293	6718 7261 7804 8348	6772 7315 7859 8402	6826 7370 7913 8456	7967 8511	7478 8022 8565	7533 8076 8619	7044 7587 8130 8674	
96 97 98 99 8000	$\begin{array}{r} 9271 \\ 9814 \\ 9030357 \end{array}$		$9923 \\ 0466$	$9977 \\ 0520$	$\begin{array}{c} \overline{0031} \\ 0574 \end{array}$	$\begin{array}{r} 9542 \\ \hline 0085 \\ 0628 \end{array}$		$9108 \\ 9651 \\ \hline 0194 \\ 0737 \\ 1280$	$\frac{9705}{0248}$ 0791	$\begin{array}{c} \overline{03}\overline{03} \\ 0846 \end{array}$	

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06 07 08 09 10	$\frac{4698}{5241}$	4753 5295 5837	5349	4861 5403 5946	5458	$\begin{array}{c} 5512 \\ 6054 \end{array}$	$\begin{array}{c} 5024 \\ 5566 \end{array}$	4536 5078 5620 6163 6705	5674	$\begin{array}{c} 5186 \\ 5729 \end{array}$,
8011 12 13 14 15		$7464 \\ 8006 \\ 8548$	7518 8060 8602	7030 7572 8114 8656 9198	7626 8168 8710	7680 8222 8764	7193 7735 8277 8819 9360	8873	8385	7897 8439 8981	
16 17 18 19 20	$9040119\\0661\\1202$	0173 0715 1256 1798	0227 0769 1310 1852	0823 1365 1906	0336 0877 1419 1960	$0390 \\ 0931 \\ 1473$	$\begin{array}{c} 0444 \\ 0985 \end{array}$	1581		0606 1148	54
8021 22 23 24 25	2285 2827 3368 3909 4450	$2881 \\ 3422$	$2935 \\ 3476 \\ 4017$	2448 2989 3530 4072 4613	$3043 \\ 3584 \\ 4126$	3097 3639 4180	$\frac{3151}{3693}$	$\frac{3747}{4288}$	$3260 \\ 3801 \\ 4342$		1 5 2 11 3 16 4 22 5 27
26 27 28 29 30	4992 5533 6074 6615 7155	6669	$\begin{array}{c} 5641 \\ 6182 \end{array}$	5154 5695 6236 6777 7318	$\begin{array}{c} 5749 \\ 6290 \end{array}$	$5803 \\ 6344 \\ 6885$	5857 6398 6939	5370 5911 9 452 6993 7534	$\begin{array}{c} 6506 \\ 7047 \end{array}$	$6020 \\ 6560 \\ 7101$	6 32 7 38 8 43 9 49
8031 32 33 34 35	8237 8778 9318	8291 8832 9372	8345 8886 9426	$7858 \\ 8399 \\ 8940 \\ \hline 9480 \\ \hline 0021$	8453 8994 9534	8507 9048 9589	8561 9102 9643	8075 8615 9156 9697 0237	$8670 \\ 9210 \\ 9751$	$8724 \\ 9264$	
36 37 38 39 40	1480 2020	$0994 \\ 1534 \\ 2074$	1048 1588 2128	0561 1102 1642 2182 2723	1156 1696 2236	$\begin{array}{c} 1210 \\ 1750 \\ 2290 \end{array}$	$1264 \\ 1804 \\ 2344$	0778 1318 1858 2398 2939	1372 1912 2452	0886 1426 1966 2506 3047	
8041 42 43 44 45	3641 4181 4721	$\frac{4235}{4775}$	3749	4883		3911 4451 4991	$3965 \\ 4505 \\ 5045$	3479 4019 4559 5099 5638	4073 4613 5153	5207	
46 47 48 49 8050	6340 6880 7419	6394 6934 7473	6448 6988 7527	5962 6502 7042 7581 8121	6556 7096 7635	6610 7149 7689	6664 7203 7743	6178 6718 7257 7797 8336	6772 7311 7851	7905	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8050 51 52 53 54 55	9038 9577 906 0116	$8552 \\ 9092 \\ 9631$	8606 9146 9685 0224	8660 9199 9739 0278	8714 9253 9793 0332	8768 9307 9847 0386	8822 9361 9901 0440	8336 8876 9415 9954 0494 1033	$\begin{array}{c} 8930 \\ \underline{9469} \\ 0008 \\ 0548 \end{array}$	$\begin{array}{c} 8984 \\ \underline{9523} \\ \overline{0062} \\ 0602 \end{array}$	
56 57 58 59 60	1734 2273 2812 3350	$\begin{array}{c} 1248 \\ 1788 \\ 2327 \\ 2865 \\ 3404 \end{array}$	1841 2380 2919 3458	$\begin{array}{c} 1895 \\ 2434 \\ 2973 \\ 3512 \end{array}$	2488 3027 3566	$\frac{3081}{3620}$	$\begin{array}{c} 2057 \\ 2596 \\ 3135 \\ 3674 \end{array}$	$\begin{array}{c} 2650 \\ 3189 \\ 3728 \end{array}$	2165 2704 3243 3781	2758 3297 3835	
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66 67 68 69 70	7121 7659 8197 8735	6636 7174 7713 8251 8789	7228 7767 8305 8843	7282 7820 8359 8897	7336 7874 8412 8951	7390 7928 8466 9004	7444 7982 8520 9058	6959 7497 8036 8574 9112	7551 8090 8628 9166	7605 8143 8682 9220	54
8071 72 73 74 75	$9812 \\ 9070350 \\ 0887 \\ 1425$	$0941 \\ 1479$	9919 0457 0995 1533	9973 0511 1049 1587	$ \begin{array}{r} \overline{0027} \\ 0565 \\ 1103 \\ 1640 \end{array} $	$ \begin{array}{r} \hline{0081} \\ \hline{0618} \\ \hline{1156} \\ \hline{1694} \end{array} $	$ \begin{array}{r} 0\overline{134} \\ 0672 \\ 1210 \\ 1748 \end{array} $	$\begin{array}{c} 9650 \\ \hline 0188 \\ 0726 \\ 1264 \\ 1802 \\ \end{array}$	$ \begin{array}{r} 0\overline{2}\overline{42} \\ 0780 \\ 1318 \\ 1856 \end{array} $	$ \begin{array}{r} \overline{0296} \\ 0834 \\ 1372 \\ 1909 \end{array} $	1 5 2 11 3 16 4 22 5 27 6 32
76 77 78 79 80	2501 3038 3576 4114	$2017 \\ 2555 \\ 3092 \\ 3630 \\ 4167$	2608 3146 3684 4221	$\begin{array}{c} 2662 \\ 3200 \\ 3737 \\ 4275 \end{array}$	2716 3254 3791 4329	2770 3307 3845 4382	2823 3361 3899 4436	2340 2877 3415 3952 4490	2931 3469 4006 4544	2985 3522 4060 4597	7 38 8 43 9 49
8081 82 83 84 85	5726 6263 6800	5242 5780 6317 6854	5833 6370 6908	5350 5887 6424 6961	5941 6478 7015	5457 5994 6532 7069	5511 6048 6585 7123	5027 5565 6102 6639 7176	5618 6156 6693 7230	6209 6747 7284	
86 87 88 89 90	8411 8948 9485	7928 8465 9002 9539	7982 8519 9056 9593	8036 8573 9109 9646	8626 9163 9700	8143 8680 9217	8197 8734 9270	7713 8250 8787 9324 9861	8304 8841 9378	8358 8895 9432	
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96 97 98 99 8100	3241 3778 4314	4368	$3349 \\ 3885 \\ 4421$	3402 3939 4475		$3510 \\ 4046 \\ 4582$	3563 4099 4636	4689	$3670 \\ 4207 \\ 4743$	$\frac{3724}{4260}$	

0100											
No.	0	1	2	3	4	5	6	7	8	9	Diff.
8100 01 02 03 04 05	5922 6458 6994	$\begin{array}{c} 5440 \\ 5976 \end{array}$	5494 6030 6566 7102	$\begin{array}{c} 5547 \\ 6083 \end{array}$	5601 6137 6673 7209	5654 6190 6726 7262	5708 6244 6780 7316	5762 6298 6834 7369	5279 5815 6351 6887 7423 7959	5869 6405 6941 7477	
06 07 08 09 10	8066 8602 9137	8120 8655 9191 9727	8173 8709 9245 9780	8227 8762 9298 9834	828 0 8816 9352 9887	8334 8870 9405 9941	838 7 8923 9459 9994	8441 8977 9512	$\begin{array}{c} 8495 \\ 9030 \\ \underline{9566} \\ \overline{0101} \end{array}$	8548 9084 9619	
8111 12 13 14 15	1279 1815 2350	1333 1868 2404	0851 1386 1922 2457 2992	$1440 \\ 1975 \\ 2511$	1494 2029 2564	$\begin{array}{c} 1547 \\ 2082 \\ 2618 \end{array}$	$1601 \\ 2136 \\ 2671$	$\frac{2189}{2725}$	1172 1708 2243 2778 3313	2297 2832	
16 17 18 19 20	3955 4490 5025	4009 4544 5079	3527 4062 4597 5132 5667	4116 4651 5186	$4169 \\ 4704 \\ 5239$	4223 4758 5293	4276 4811 5346	$4330 \\ 4865 \\ 5400$	3848 4383 4918 5453 5988	4437 4972 5507	54
8121 22 23 24 25	6630 7165 7699	6683 7218 7753	6202 6737 7271 7806 8341	6790 7325 7860	7913	7966	6951 7485 8020	7004 7539 8073	6523 7058 7592 8127 8661	7111 7646 8180	1 5 2 11 3 16 4 22 5 27
26 27 28 29 30	9303 9837 910 0371	9356 9890		$9463 \\ 9997$	$\frac{9516}{0051}$ 0585	$\frac{9570}{0104}$ 0638	$\frac{9623}{0158}$ 0692	$\tfrac{9677}{0211}$	$\begin{array}{c} 9196 \\ \underline{9730} \\ 0264 \\ 0799 \\ 1333 \end{array}$	$\frac{9784}{0318}$	6 32 7 38 8 43 9 49
8131 32 33 34 35	1974 2508 3042	$\frac{2561}{3095}$	1546 2081 2615 3148 3682	2134 2668 3202	$\frac{2721}{3255}$	2241 2775 3309	2294 2828 3362	2348 2882 3415	1867 2401 2935 3469 4003	2454 2988 3522	
36 37 38 39 40	4643 5177 5710	4697 5230 5764	4216 4750 5284 5817 6351	4803 5337 5871	4857 5390 5924	4910 5444 5977	4963 5497 6031	$5550 \\ 6084$	4536 5070 5604 6137 6671	$\begin{array}{c} 5657 \\ 6191 \end{array}$	
8141 42 43 44 45	7311 7844 8378	7364 7898 8431	6884 7418 7951 8484 9018	7471 8004 8538	7524 8058 8591	7578 8111 8644	7631 8164 8698	7684 8218 8751	7204 7738 8271 8804 9337	7791 8324 8858	
46 47 48 49 8150	9977 911 0510 1043	0030 0564 1096	0617 1150	$0137 \\ 0670 \\ 1203$	$\begin{array}{c} \overline{0}\overline{1}\overline{9}\overline{0} \\ 0723 \end{array}$	$0\overline{244}$ 0777 1310	0297 0830 1363	$0350 \\ 0883 \\ 1416$	$9871 \over 0404 \\ 0937 \\ 1470 \\ 2002$	0457 0990 1523	

No.	(0	1	2	3	4	5	6	7	8	9	Diff	
8150 51 52 53 54 55	26 31 37	09 42 74 07	2162 2695 3228 3760		$\frac{3334}{3867}$		2375 2908 3441 3973	2429 2961 3494	1949 2482 3015 3547 4080 4612	$\begin{array}{c} 2535 \\ 3068 \\ 3601 \end{array}$	2588 3121 3654 4186		
56 57 58 59 60	53 58 63	05 37 69	$5358 \\ 5890 \\ 6423$	$5411 \\ 5943$	6529	6050	5571 6103 6635	$5624 \\ 6156 \\ 6689$	5145 5677 6210 6742 7274	5731 6263 6795	5784 6316 6848		
8161 62 63 64 65	79 84 90	966 198 930	8019 8551 9083	$8072 \\ 8604 \\ 9136$	7593 8126 8658 9190 9721	8179 8711 9243	8232 8764 9296	8285 8817 9349	7806 8338 8870 9402 9934	8392 8924 9456	8445 8977 9509		
66 67 68 69 70	11 16	526 157 189	$0679 \\ 1210 \\ 1742$	$0732 \\ 1264 \\ 1795$	$\begin{array}{c} 0253 \\ 0785 \\ 1317 \\ 1848 \\ 2380 \end{array}$	$0838 \\ 1370 \\ 1902$	0891 1423 1955	$0945 \\ 1476 \\ 2008$	$\begin{array}{c} 0466 \\ 0998 \\ 1529 \\ 2061 \\ 2593 \end{array}$	$1051 \\ 1583 \\ 2114$	$1104 \\ 1636 \\ 2167$	53	
8171 72 73 74 75	32 38 43	284 315 346	3337 3868 4399	3390	2912 3443 3974 4506 5037	3496	3549 4081 4612	3602	$\begin{array}{c} 4187 \\ 4718 \end{array}$	3177 3709 4240 4771 5303	$\frac{4293}{4824}$	1 2 1 3 1 4 2 5 2	6 1 7
76 77 78 79 80	59 64 70	940 471 902	5993 6524 7055	6046 6577 7108	5568 6099 6630 7161 7692	$6152 \\ 6683 \\ 7214$	6206 6737 7268	$6259 \\ 6790 \\ 7321$		$6365 \\ 6896 \\ 7427$	6949 7480	7 3 8 4	2 2 2 8
8181 82 83 84 85	9: 9:	$ \begin{array}{c} 595 \\ 126 \\ 656 \end{array} $	8648 9179 9709	8701 9232 9762	8223 8754 9285 9815 0346	8807 9338 9868	8860 9391 9922	8913 9444	$\begin{array}{c} 8436 \\ 8966 \\ \underline{9497} \\ \overline{0028} \\ 0558 \end{array}$	9019 9550	$9072 \\ 9603 \\ \hline 0134$		
86 87 88 89 90	1:	248	1301 1831 2362	$1354 \\ 1884$	0877 1407 1937 2468 2998	$\frac{1460}{1990}$	$\begin{array}{c} 1513 \\ 2044 \\ 2574 \end{array}$	1566	$\begin{array}{c} 2150 \\ 2680 \end{array}$	1672	$1725 \\ 2256 \\ 2786$		
8191 92 93 94 95	3 4 4	4 3 0 960	$3952 \\ 4483 \\ 5013$	$4005 \\ 4536 \\ 5066$	3528 4058 4589 5119 5649	$4111 \\ 4642 \\ 5172$	$4165 \\ 4695 \\ 5225$	4218 4748 5278	4801	4324	4377 4907 5437		
96 97 98 99 8200	6 7 7	549 079 609	$6602 \\ 7132 \\ 7662$	$7185 \\ 7715$	6708 7238 7768		6814 7344 7874	6867 7397 7927		6973 7503 8033	7026 7556 8086		

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8200 01 02 03 04 05	$9198 \\ 9727 \\ 9140257$	8721 9251 9780	8774 9304 9833 0362	8827 9356 9886 0415	8880 9409 9939 0468	8933 9462 9992 0521	$8986 \\ \underline{9515} \\ \overline{0045}$	$\begin{array}{c} 8509 \\ 9039 \\ \underline{9568} \\ \overline{0098} \\ 0627 \\ 1156 \end{array}$	$\begin{array}{c} 9092 \\ \underline{9621} \\ \overline{0151} \end{array}$	$\begin{array}{c} 9145 \\ \underline{9674} \\ 0204 \\ 0733 \end{array}$	
06 07 08 09 10	$1844 \\ 2373 \\ 2903$	1368 1897 2426 2955 3484	$1950 \\ 2479 \\ 3008$	$2003 \\ 2532 \\ 3061$	2056 2585 3114	$2109 \\ 2638 \\ 3167$	$\frac{2691}{3220}$	1686 2215 2744 3273 3802	$\begin{array}{c} 2797 \\ 3326 \end{array}$	$2321 \\ 2850 \\ 3379$	
8211 12 13 14 15	5018 5547	4013 4542 5071 5600 6129	$4595 \\ 5124 \\ 5653$	$\begin{array}{c} 5177 \\ 5706 \end{array}$	4701 5230 5758	4754 5283 5811	4807 5335 5864	4331 4860 5388 5917 6446	$4912 \\ 5441 \\ 5970$	$4965 \\ 5494 \\ 6023$	
16 17 18 19 20	7133 7661 8190	6657 7186 7714 8243 8771	7239 7767 8295	$7291 \\ 7820 \\ 8348$	7344 7873 8401	7397 7926 8454	7450 7978 8507	6974 7503 8031 8560 9088	7556 8084 8613	7609 8137 8665	53
8221 22 23 24 25	915 0303	$9828 \\ 0356 \\ 0884$	9880 0409 0937	0461	$9986 \\ 0514 \\ 1042$	$0\overline{0}\overline{3}\overline{9} \\ 0567 \\ 1095$	$\begin{array}{c} \overline{0092} \\ 0620 \end{array}$	$\begin{array}{c} 9616 \\ \hline 0144 \\ 0673 \\ 1201 \\ 1729 \end{array}$	$\begin{array}{c} \overline{0197} \\ 0725 \end{array}$	$\begin{array}{c} 0778 \\ 1306 \end{array}$	1 5 2 11 3 16 4 21 5 27
26 27 28 29 30	$2943 \\ 3471$	1940 2468 2996 3523 4051	$2521 \\ 3048 \\ 3576$	$\frac{3101}{3629}$	$2626 \\ 3154 \\ 3682$	$2679 \\ 3207 \\ 3734$	$\frac{3260}{3787}$	2257 2784 3312 3840 4368	$\begin{array}{c} 3365 \\ 3893 \end{array}$	$2890 \\ 3418 \\ 3946$	6 32 7 37 8 42 9 48
8231 32 33 34 35	5054 5581 6109	4579 5106 5634 6161 6689	5159 5687 6214	$5739 \\ 6267$	$5265 \\ 5792 \\ 6320$	5317 5845 6372	5370 5898 6425	4895 5423 5950 6478 7005	$\begin{array}{c} 5476 \\ 6003 \end{array}$	$5528 \\ 6056 \\ 6583$	
36 37 38 39 40	8218 8745	7216 7743 8271 8798 9325	8323 8850	7849 8376 8903	8429 8956	7954 8481 9009	8007 8534 9061	7532 8060 8587 9114 9641	$8112 \\ 8640 \\ 9167$	8165 8692 9219	
8241 42 43 44 45	916 0326 0853 1380	9852 0379 0906 1433 1959	$0431 \\ 0958 \\ 1485$	0484 1011 1538	$0537 \\ 1064 \\ 1591$	0590 1116 1643	$0642 \\ 1169 \\ 1696$	1749	$0748 \\ 1274$	0800	
46 47 48 49 8250	2960 3487 - 4013	2486 3013 3539 4066 4592	3065 3592 4118	3118 3644 4171	$3171 \\ 3697 \\ 4224$	3223 3750 4276	$3276 \\ 3802 \\ 4329$	2802 3329 3855 4382 4908	$3381 \\ 3908 \\ 4434$	3434 3960 4487	

72 6105 6158 6210 6263 6315 6368 6420 6473 6525 6578 2 3 73 6630 6683 6735 6788 6840 6893 6945 6998 7050 7103 3 74 7155 7208 7260 7313 7365 7418 7470 7523 7575 7628 4 2 7680 7733 7785 7837 7890 7942 7995 8047 8100 8152 5 2 7680 7733 7785 7837 7890 7942 7995 8047 8100 8152 5 2 7680 733 8782 8834 8887 8999 8992 9044 9097 9149 9202 8 9254 9307 9359 9412 9464 9517 9569 9621 9674 9726 79 9779 9831 9884 9936 9989 7041 0094 0146 0198 0251 80 918 0303 0356 0408 0461 0513 0566 0618 0671 0723 0775 8281 0828 0880 0933 0985 1038 1090 1143 1195 1247 1300 1352 1405 1457 1510 1562 1614 1667 1719 1772 1824 1877 1929 1981 2034 2086 2139 2191 2244 2296 2348 2401 2453 2506 2558 2611 2663 2715 2768 2820 2873 2925 2978 3030 3082 3135 3187 3240 3292 3344 3397 86 3449 3502 3554 3607 3659 3711 3764 3816 3869 3921 87 3973 4026 4078 4131 4183 4235 4288 4340 4393 4445 84 4497 4550 4602 4655 4707 4759 4812 4864 4917 4969 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5545 5598 5650 5702 5755 5807 5860 5912 5964 6017 8291 6069 6122 6174 6226 6279 6331 6383 6436 6488 6541 92 6659 3644 6698 6750 6802 6855 6907 6960 7012 7064 7117 7169 7221 7274 7326 7378 7431 7483 7536 7588 94 7640 7693 7745 7797 7850 7902 7954 8007 8059 8112 8164 8216 8269 8321 8373 8426 8478 8530 8588 8635 96 8687 8740 8792 8844 8897 8949 9002 9054 9106 9159	No.	0	1	2	3	4	5	6	7	8	9	Diff.
57 8223 8275 8328 8381 8433 8486 8538 8591 8644 8696 58 8749 8801 8854 8907 8959 9012 9064 9117 9169 9221 9274 9275 9327 9380 9485 9538 9590 943 9468 9538 9590 943 9483 9485 9503 9500 9221 0274 7799 8261 917 0326 0379 0431 0484 0537 0589 0642 0694 0747 0799 63 1378 1430 1483 1555 1588 1640 1693 1744 1796 2849 2901 66 2954 3007 3059 3112 3164 217 2369 3322 3374 3427 425 467 4279 2842 2901 4674 4793 4842 4950 503 5685 5738 5690 3742 <td< td=""><td>51 52 53 54 55</td><td>5066 5592 6118 6645 7171</td><td>5119 5645 6171 6697 7223</td><td>5171 5697 6224 6750 7276</td><td>5224 5750 6276 6802 7329</td><td>5276 5803 6329 6855 7381</td><td>5329 5855 6382 6908 7434</td><td>5382 5908 6434 6960 7486</td><td>5434 5961 6487 7013 7539</td><td>5487 6013 6539 7066 7592</td><td>5540 6066 6592 7118 7644</td><td></td></td<>	51 52 53 54 55	5066 5592 6118 6645 7171	5119 5645 6171 6697 7223	5171 5697 6224 6750 7276	5224 5750 6276 6802 7329	5276 5803 6329 6855 7381	5329 5855 6382 6908 7434	5382 5908 6434 6960 7486	5434 5961 6487 7013 7539	5487 6013 6539 7066 7592	5540 6066 6592 7118 7644	
62 0852 0904 0957 1010 1062 1115 1167 1220 1272 1325 63 1378 1430 1483 1555 1588 1640 1693 1745 1798 1851 64 1903 1956 2008 2061 2113 2166 2218 2271 2323 2376 65 2429 2481 2534 2586 2639 2691 2744 2796 2849 2901 66 2954 3007 3059 3112 3164 3217 3269 3322 3374 3427 67 3479 3532 3584 3687 3690 3742 3795 3847 3900 3952 68 4005 4057 4110 4162 4215 4267 4320 4372 4425 4477 69 4530 4582 4635 4687 4740 4793 4845 4898 4950 5003 70 5055 5108 5160 5213 5265 5318 5370 5423 5475 5528 8271 5580 5633 5685 5738 5790 5843 5895 5948 6000 6053 72 6105 6158 6210 6263 6315 6368 6420 6473 6525 6578 73 6630 6785 6785 6788 6840 6899 6998 7050 7103 74 7155 7208 7260 7313 7365 7418 7470 7523 7575 7628 75 7680 7733 7785 7887 7890 7942 7995 8047 8100 8152 5 76 8205 8257 8310 8362 8415 8467 8520 8572 8625 8677 77 8730 8782 8834 8887 8939 8929 9044 9097 9149 9202 80 918 0303 0356 0408 0461 0513 0566 0618 0671 0723 0775 8281 0828 0880 0933 0985 1038 1090 1143 1195 1247 1300 829 193 2145 1457 1510 1562 1614 1667 1719	57 58 59	$8223 \\ 8749 \\ 9275$	8275 8801 9327	8328 8854 9380	8381 8907 9432	8433 8959 9485	8486 9012 9538	8538 9064 9590	$8591 \\ 9117 \\ 9643$	$\begin{array}{c} 8644 \\ 9169 \\ 9695 \end{array}$	$8696 \\ 9222 \\ 9748$	
67	62 63 64	$0852 \\ 1378 \\ 1903$	$0904 \\ 1430 \\ 1956$	$0957 \\ 1483 \\ 2008$	$1010 \\ 1555 \\ 2061$	$1062 \\ 1588 \\ 2113$	1115 1640 2166	$1167 \\ 1693 \\ 2218$	$1220 \\ 1745 \\ 2271$	$1272 \\ 1798 \\ 2323$	1325 1851 2376	
8271 5580 5633 5685 5788 5790 6138 5895 5948 6000 6058 6105 6158 6210 6263 6315 6368 6420 6473 6525 6578 37 6630 6633 6735 6788 6840 6893 6945 6998 7050 7103 74 7155 7208 7260 7313 7365 7418 7470 7523 7575 7628 75 7680 7733 7785 7837 7890 7942 7995 8047 8100 8152 76 8205 8257 8310 8362 8415 8467 8520 8572 8625 8677 77 8730 8782 8834 8887 8939 8992 9044 9097 9149 9202 8 9254 9307 9359 9412 9464 9517 9569 9621 9674 9726 9779 9831 9884 9936 9989 7041 0000 4016 0018 0251 80 918 0303 0356 0408 0461 0513 0566 0618 0671 0723 0775 8281 0828 0880 0933 0985 1038 1090 1143 1195 1247 1300 1352 1405 1457 1510 1562 1614 1667 1719 1772 1824 1877 1929 1981 2034 2086 2139 2191 2244 2296 2348 2401 2453 2506 2558 2611 2663 2715 2768 2820 2873 2925 2978 3030 3082 3135 3187 3240 3292 3344 3397 86 3449 3502 3554 3607 3659 3711 3764 3816 3869 3921 87 3973 4026 4078 4131 4183 4235 4288 4340 4393 4445 8497 4550 4602 4655 4707 4759 4812 4864 4917 4969 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 5231 5283 5336 5388 5441 5493 90 5021 5074 5126 5179 7850 7800 5860 5912 5964 6017 8291 6069 6122 6174 6226 6279 6331 6383 6436 6488 6541 92 6593 6645 6698 6750 6802 6855 6907 6960 7012 7064 7117 7169 7221 7274 7326 7378 7431 7483 7536 7588 94 7640 7693 7745 7797 7850 7902 7954 8007 8059 8112 8164 8216 8269 8321 8373 8426 8478 8530 8583 8635 96 8687 8740 8792 8844 8897 8949 9002 9054 9106 9159 //tuberrels	67 68 69	$3479 \\ 4005 \\ 4530$	$3532 \\ 4057 \\ 4582$	$3584 \\ 4110 \\ 4635$	$\begin{array}{c} 3637 \\ 4162 \\ 4687 \end{array}$	$3690 \\ 4215 \\ 4740$	3742 4267 4793	$3795 \\ 4320 \\ 4845$	$3847 \\ 4372 \\ 4898$	$3900 \\ 4425 \\ 4950$	3952 4477 5003	52
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16 17 18 19 20	1573 2089 2605	1109 1625 2141 2657 3172	$\begin{array}{c} 1676 \\ 2192 \\ 2708 \end{array}$	$\begin{array}{c} 1728 \\ 2244 \\ 2760 \end{array}$	1780 2296 2811	1831 2347 2863	$1883 \\ 2399$	1418 1934 2450 2966 3482	$\begin{array}{c} 1986 \\ 2502 \end{array}$	2038 2554 3069	52
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46 47 48 49 8450	8053		7128 7642 8156	8207	7231 7745 8259	7282 7796 8310	7333 7847 8362	6871 7385 7899 8413 8927	7436 7950 8464	7488 8002 8516	

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8521 22 23 24 25	5415 5925 6434	4957 5466 5976 6485 6995	5517 6027 6536		5619	5670 6180 6689	$\begin{array}{c} 5721 \\ 6231 \\ 6740 \end{array}$	$\begin{array}{c} 5772 \\ 6282 \end{array}$	5823	6893	1 5 2 10 3 15 4 20 5 26
26 27 28 29 30	7963 8472 8981	7504 8014 8523 9032 9541	8064 8574 9083	8115 8625 9134	8676 9185	8217 8727 9236	$8777 \\ 9287$	7810 8319 8828 9338 9847	8370 8879 9388	8421 8930 9439	6 31 7 36 8 41 9 46
8531 32 33 34 35	931 0508 1017 1526	0050 0559 1068 1577 2086	$0610 \\ 1119 \\ 1628$	$0661 \\ 1170 \\ 1679$	0712 1221 1730	$0763 \\ 1272 \\ 1781$	$0814 \\ 1323 \\ 1832$	0356 0865 1374 1883 2391	$0916 \\ 1425 \\ 1933$	0967 1475 1984	
36 37 38 39 40	$3053 \\ 3562 \\ 4070$	2595 3104 3612 4121 4630	$3155 \\ 3663 \\ 4172$	$3205 \\ 3714 \\ 4223$	$3256 \\ 3765 \\ 4274$	3307 3816 4324	3358 3867 4375	2900 3409 3918 4426 4935	$3460 \\ 3968 \\ 4477$	3511 4019 4528	
8541 42 43 44 45	6104	5138 5647 6155 6663 7171	5697 6206 6714	$\begin{array}{c} 6257 \\ 6765 \end{array}$	5799	5850	5901 6409 6917	5443 5952 6460 6968 7476	6002	6053	
46 47 48 49 8550	$8645 \\ 9153$	7680 8188 8696 9204 9712	8239 8747 9255	9306	$8848 \\ 9356$	8391 8899 9407	$\begin{array}{c} 8950 \\ 9458 \end{array}$	8493	$8544 \\ 9052 \\ 9560$	9102 9610	

		1		0	4						
No.	0	1	2	3	4	5	6	7	8	9	Diff.
8550 51	931 9661 932 0169							$\begin{array}{c} \overline{0017} \\ 0525 \end{array}$			
52	0677	0728	0778	0829	0880	0931	0982	1032	1083	1134	
53 54			$\begin{array}{c} 1286 \\ 1794 \end{array}$		1388			$\frac{1540}{2048}$			
55			2302		2403			2555			
56	2708	2759	2809	2860	2911	2962	3012	3063	3114	3165	
57			3317					3571			
58 59			$\frac{3824}{4332}$				4027 4535	$\frac{4078}{4585}$	4129		
60			4839					5093			
8561			5346					5600			ŀ
62 63			$\begin{array}{c} 5854 \\ 6361 \end{array}$					$6107 \\ 6614$			
64		6817			6969		7071		7172		
65			7375		7476			7629			
66			7882		7983		8085		8186		
67 68			8389 8896					$8643 \\ 9149$			
69	9301	$\bf 9352$	9403	9453	9504	9555	9606	9656	9707	9758	
70			9910				$\overline{0112}$		0214		51
$\begin{bmatrix} 8571 \\ 72 \end{bmatrix}$	933 0315		$0416 \\ 0923$					$0670 \\ 1176$		$0771 \\ 1278$	1 5
73			1430					1683			2 10 3 15
74			1936					2189			4 20
75 76			2443					2696		2797	5 26 6 31
77			$\frac{2949}{3455}$					$\frac{3202}{3709}$		3810	7 36 8 41
78	3860	3911	3962	4012	4063	4114	4164	4215	4265	4316	9 46
79 80			$\frac{4468}{4974}$				4670	$\frac{4721}{5227}$	4772	$\frac{4822}{5328}$	
8581			5480				-	5733			
82	5885	5936	5986	6037	6088	6138	6189	6239	6290	6341	-
83 84			$6492 \\ 6998$					6745			
85			7504					$7251 \\ 7757$		7858	
86			8010					8263			
87			8516					8769			
88			$9021 \\ 9527$					$9274 \\ 9780$			
90		9982		$\frac{5010}{0083}$	$\frac{0020}{0134}$		$\frac{0120}{0235}$				
8591	934 0437							0791			
92			$1044 \\ 1549$					$1296 \\ 1802$			
94	1953	2004	2055	2105	2156	2206	2257	2307	2358	2408	
95			2560					2812			
96			3065				3267			3419	
97 98			$\frac{3570}{4075}$					$\frac{3823}{4328}$		$\frac{3924}{4429}$	
99	4479	4530	4580	4631	4682	4732	4783	4833	4884	4934	
8600	4985	5035	5086	5136	5187	5237	5287	5338	5388	5439	
			-								157

No.	0	1	2	3	4	5	6	7	8	9	Diff
8600 01 02 03 04 05	5994 6499	5540 6045 6550 7054	5590 6095 6600 7105	$5641 \\ 6146 \\ 6651$	5691 6196 6701 7206	5742 6247 6752 7256	$\begin{array}{c} 5792 \\ 6297 \end{array}$	5338 5843 6348 6853 7357 7862		$\begin{array}{c} 5944 \\ 6449 \end{array}$	
06 07 08 09 10 8611	8013 8518 9023 9527 935 0032	8064 8568 9073 9578	8114 8619 9123 9628 0132	8165 8669 9174 9678 0183	8215 8720 9224 9729 0233	8266 8770 9275 9779	8316 8821 9325 9830 0334	8367	8417 8922 9426 9931 0435	9477 9981 0485	
12 13 14 15	1544 2049	1091 1595 2099 2603	2150	$\frac{1696}{2200}$	2250	$\frac{1797}{2301}$	1343 1847 2351 2855	2402	1444 1948 2452 2956	$\begin{array}{c} 1998 \\ 2502 \end{array}$	
16 17 18 19 20	4065 4569	3611 4115	4166 4670	3712 4216 4720	$\begin{array}{c} 3763 \\ 4266 \end{array}$	4317	3863 4367 4871	3410 3914 4418 4922 5425		4015 4518	50
8621 22 23 24 25	6080 6584 7087	5627 6131 6634 7138 7641	6181	$6231 \\ 6735 \\ 7239$	6785	$\begin{array}{c} 6332 \\ 6836 \end{array}$	$\begin{array}{c} 6886 \\ 7390 \end{array}$	5929 6433 6936 7440 7943	6987		1 2 1 3 1 4 2 5 2
26 27 28 29 30	8598 9101	8648 9152 9655	8699 9202 9705	8749 9252 9756	8799 9303	8850 9353 9856	8900 9403 9907	8447 8950 9454 9957 0460	$\frac{9001}{9504} \\ \hline 0007$	$\frac{9051}{9554} \\ \hline{0058}$	6 3 7 3 8 4 9 4
8631 32 33 34 35	1114 1617 2120	0661 1165 1668 2171 2674	1215 1718 2221	1265 1768 2271	1316 1819 2322	$1366 \\ 1869 \\ 2372$	$1416 \\ 1919 \\ 2422$	0963 1466 1970 2473 2975	$\begin{array}{c} 1517 \\ 2020 \\ 2523 \end{array}$	$\begin{array}{c} 1567 \\ 2070 \\ 2573 \end{array}$	
36 37 38 39 40		3177 3679 4182 4685 5188	3730	$\begin{array}{c} 4283 \\ 4786 \end{array}$	3830 4333 4836	3881 4383 4886	3931 4434 4936	3478 3981 4484 4987 5489	4031 4534 5037	4082 4584 5087	
8641 42 43 44 45	6143 6645 7148	5690 6193 6695 7198 7700	6243	6293 6796 7298	6344 6846 7349	6394 6896 7399	$6444 \\ 6947 \\ 7449$	5992 6494 6997 7499 8002	6545 7047 7550	7097 7600	
46 47 48 49 8650	9157	9709	8755 9257 9759		8855 9358 9860	8906 9408 9910	8956 9458 9960	$\begin{array}{c} 8504 \\ 9006 \\ \underline{9508} \\ \overline{0010} \\ 0513 \end{array}$	$\frac{9056}{9559} \\ \hline 0061$	$\frac{9107}{9609} \\ \hline 0111$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.	l
8650 51 52 53 54 55	1165 1667 2169	0713 1215 1717	$2269 \\ 2771$	0814 1316 1818 2319 2821	0864 1366 1868 2370 2871	$0914 \\ 1416 \\ 1918 \\ 2420 \\ 2922$	$\begin{array}{c} 0964 \\ 1466 \\ 1968 \\ 2470 \end{array}$	0513 1015 1516 2018 2520 3022	1065 1567 2069 2570 3072	1617 2119 2621 3122		
56 57 58 59 60		3223 3724 4226 4728 5229	$\begin{array}{c} 4276 \\ 4778 \end{array}$	4326	3373 3875 4376 4878 5380	3423 3925 4427 4928 5430		3524 4025 4527 5028 5530	$\begin{array}{c} 4577 \\ 5079 \end{array}$	4126 4627 5129		
8661 62 63 64 65	6182 6683 7184	$\begin{array}{c} 6733 \\ 7235 \end{array}$		7335	5881 6382 6884 7385 7886	6432 6934 7435	6483 6984 7485	6031 6533 7034 7535 8037	6583 7084 7585	6633 7134 7636		
66 67 68 69 70	$8688 \\ 9189$		$9289 \\ 9790$		8888 9389 9890	9941	9991		$\frac{9089}{9590}\\ \frac{9590}{0091}$	$\begin{array}{c} 9139 \\ \underline{9640} \\ 0141 \end{array}$	50	
8671 72 73 74 75	$1193 \\ 1693 \\ 2194$	$\begin{array}{c} 1744 \\ 2244 \end{array}$	0792 1293 1794 2294 2795	$1844 \\ 2344$	1393 1894	1443 1944 2445	$1493 \\ 1994 \\ 2495$	$\begin{array}{c} 1042 \\ 1543 \\ 2044 \\ 2545 \\ 3045 \end{array}$	$\begin{array}{c} 1593 \\ 2094 \\ 2595 \end{array}$	$1643 \\ 2144 \\ 2645$	1 5 2 10 3 15 4 20 5 25	
76 77 78 79 80		4747		4347	3896	3946	$3996 \\ 4497 \\ 4997$	3546 4046 4547 5047 5547	$4096 \\ 4597 \\ 5097$	$\frac{4146}{4647}$	6 30 7 35 8 40 9 45	
8681 82 83 84 85	6198 6698 7198	$\begin{array}{c} 6748 \\ 7248 \end{array}$	$6298 \\ 6798 \\ 7298$	5848 6348 6848 7348 7848	6398 6898 7398	6448 6948 7448	$6498 \\ 6998 \\ 7498$	6048 6548 7048 7548 8048	$\begin{array}{c} 6598 \\ 7098 \\ 7598 \end{array}$	$6648 \\ 7148 \\ 7648$		
86 87 88 89 90	8698 9198	$\begin{array}{c} 9248 \\ 9748 \end{array}$	$9298 \\ 9798$	9348	8898	$8948 \\ 9448 \\ 9948$	$8998 \\ 9498 \\ 9998$	$\begin{array}{c} 8548 \\ 9048 \\ \underline{9548} \\ \overline{0048} \\ 0548 \end{array}$	$\frac{9098}{9598} \\ \frac{9598}{0098}$	$\begin{array}{c} 9148 \\ \underline{9648} \\ \overline{0148} \end{array}$		
8691 92 93 94 95	2196 2696	$\frac{2246}{2746}$	0797 1297 1797 2296 2796	2846	$\begin{array}{c} 2396 \\ 2896 \end{array}$	1447	0997 1497 1997 2496 2996	$\begin{array}{c} 2546 \\ 3045 \end{array}$		2146 2646 3145		
96 97 98 99 8700	3695 4194 4693	3745 4244 4743	3295 3795 4294 4793 5292	$\begin{array}{c} 4344 \\ 4843 \end{array}$	3894 4394 4893	3944 4444 4943	$\frac{4494}{4993}$	3545 4044 4544 5043 5542	$\begin{array}{c} 4593 \\ 5093 \end{array}$	$4144 \\ 4643 \\ 5143$		
											50	_

No.	- 0	1	2	3	4	5	6	7	8	9	Diff.
8700	939 5193		_	_	_	_	•	5542	-	•	Dill.
01	5692	5742	5792	5841	5891	5941	5991	6041	6091	6141	
02			6291					6540			
03	7189		$6790 \\ 7289$					$7039 \\ 7538$			
05	7688		7788			7937		8037			
06	8187				8386			8536			
07	8685		8785					9035			
08			9284					9533			
09 10	9683		9783					$\begin{array}{c} \overline{0032} \\ 0531 \end{array}$			
8711	1		0780								
12			1278				0979	$1029 \\ 1528$	1079		
13			1777					2026			
14			2275					2524			
15			2774					3023			
$\begin{array}{c c} 16 \\ 17 \end{array}$		3222	$\frac{3272}{3770}$		3372			3521			
18			4268					$\frac{4019}{4517}$		$\frac{4119}{4617}$	
19			4766					5015			
20	5165	5215	5264	5314	5364	5414	5464	5513	5563	5613	50
8721			5762					6011			1 5
$\begin{array}{c c} 22 \\ 23 \end{array}$			$\begin{array}{c} 6260 \\ 6758 \end{array}$					6509 7007		6609	2 10
24			7256				7455			$7107 \\ 7605$	3 15 4 20
25			7754					8003			5 25
26	8152	8202	8252	8301	8351	8401	8451	8500	8550	8600	6 30 7 35
27					8849			8998			8 40
28 29			$9247 \\ 9744$					$9496 \\ 9993$			9 45
30	941 0142								0540		
8731	0640	0690	0739	0789	0839		0938		1038	1088	
32						1386				1585	
33 34			$\begin{array}{c} 1734 \\ 2231 \end{array}$					1983			
35			2729					$\frac{2480}{2977}$		3077	
36			3226					3474			3
37	3623	3673	3723	3772	3822			3971			
38			4220				4419		4518		
39 40			$4717 \\ 5214$				$\frac{4916}{5412}$	4965	$5015 \\ 5512$	5065 5562	
8741			5711				5909		6009		
42			6207					6456			
43			6704			6853	6903	6952	7002	7052	
44 45			7201 7697				7399 7896		7499		
			8194						7995		
46 47			8691					8442 8939			
48			9187					9435			
49			9683					9932			
8750	942 0081	0130	0180	0229	0279	0329	0378	0428	0478	0527	

											8750
No.	0	1	2	3	4	5	6	7	8	9	Diff.
8750 51 52 53	1073	$0130 \\ 0626 \\ 1123 \\ 1619$	$\begin{array}{c} 0676 \\ 1172 \end{array}$	$\begin{array}{c} 0726 \\ 1222 \end{array}$	$\begin{array}{c} 0775 \\ 1272 \end{array}$	1321				$\begin{array}{c} 1023 \\ 1520 \end{array}$	
54 55 56	2562	$2115 \\ 2611 \\ 3107$	2661	2710	2760	2810		$2413 \\ 2909 \\ 3405$	2958	3008	
57 58 59 60	$3553 \\ 4049 \\ 4545$	3603 4099 4595 5091	$3653 \\ 4149 \\ 4644$	$3702 \\ 4198 \\ 4694$	3752 4248 4744	3801 4297 4793	$3851 \\ 4347 \\ 4843$	3901	$3950 \\ 4446 \\ 4942$	$4000 \\ 4496 \\ 4991$	
8761 62 63 64 65	$6032 \\ 6528 \\ 7024$	5586 6082 6578 7073 7569	$6132 \\ 6627 \\ 7123$	$6181 \\ 6677 \\ 7172$	$6231 \\ 6726 \\ 7222$	$6280 \\ 6776 \\ 7271$	$6330 \\ 6825 \\ 7321$	5884 6379 6875 7371 7866	$6429 \\ 6925 \\ 7420$	$6479 \\ 6974 \\ 7470$	
66 67 68 69 70	8510 9005 9501	$\begin{array}{c} 8064 \\ 8560 \\ 9055 \\ \underline{9550} \\ 0045 \end{array}$	$8609 \\ 9104 \\ 9600$	$8659 \\ 9154 \\ 9649$	$8708 \\ 9204 \\ 9699$	8758 9253 9748	8807 9303 9798	$\begin{array}{c} 8361 \\ 8857 \\ 9352 \\ \underline{9847} \\ 0343 \end{array}$	$8906 \\ 9402 \\ 9897$	8956	49
8771 72 73 74 75	$1481 \\ 1976$		$1085 \\ 1580 \\ 2075$	$1135 \\ 1630 \\ 2125$	$1184 \\ 1679 \\ 2174$	$\begin{array}{c} 1234 \\ 1729 \\ 2224 \end{array}$	$\begin{array}{c} 1283 \\ 1778 \\ 2273 \end{array}$	0838 1333 1828 2323 2818	$1382 \\ 1877 \\ 2372$	$1432 \\ 1927 \\ 2422$	1 5 2 10 3 15 4 20 5 25 6 29
76 77 78 79 80	$3461 \\ 3956 \\ 4450$	3016 3510 4005 4500 4995	$3560 \\ 4055 \\ 4549$	$3609 \\ 4104 \\ 4599$	$3659 \\ 4154 \\ 4648$	$3708 \\ 4203 \\ 4698$			3857	$\begin{array}{c} 4401 \\ 4896 \end{array}$	7 34 8 39 9 44
8781 82 83 84 85	5934 6429 6923	5489 5984 6478 6973 7467	$6033 \\ 6528 \\ 7022$	$\begin{array}{c} 6083 \\ 6577 \end{array}$	$6132 \\ 6627 \\ 7121$	$6182 \\ 6676 \\ 7170$	$\begin{array}{c} 6726 \\ 7220 \end{array}$	5786 6280 6775 7269 7764	$\begin{array}{c} 6824 \\ 7319 \end{array}$	$6379 \\ 6874 \\ 7368$	
86 87 88 89 90	8406 8900 9395	7961 8456 8950 9444 9938	$8505 \\ 8999 \\ 9493$	$8555 \\ 9049 \\ 9543$	$8604 \\ 9098 \\ 9592$	$8653 \\ 9148 \\ 9642$	$8703 \\ 9197 \\ 9691$	$\begin{array}{c} 8258 \\ 8752 \\ 9246 \\ \underline{9741} \\ 0235 \end{array}$	8802 9296 9790	8851 9345 9839	
8791 92 93 94 95	$1371 \\ 1865$	$0432 \\ 0926 \\ 1420 \\ 1914 \\ 2408$	0976 1470 1963	$1025 \\ 1519 \\ 2013$	$1074 \\ 1568 \\ 2062$	$1124 \\ 1618 \\ 2112$	$\frac{1667}{2161}$	$\begin{array}{c} 0729 \\ 1223 \\ 1716 \\ 2210 \\ 2704 \end{array}$	$1272 \\ 1766 \\ 2260$	1321 1815 2309	
96 97 98 99 8800	3346 3840 4333	2902 3395 3889 4383 4876	$3445 \\ 3938 \\ 4432$	3494 3988 4481	3543 4037 4531	3593 4086 4580	$3642 \\ 4136 \\ 4629$	3198 3691 4185 4679 5172	3741 4234 4728	$\frac{4284}{4777}$	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
8800 01 02 03 04 05	5814 6307 6800	$\begin{array}{c} 5370 \\ 5863 \end{array}$	5419 5912 6406 6899	5468 5962 6455 6948	$\begin{array}{c} 5518 \\ 6011 \end{array}$	6060 6554 7047	5616 6110 6603 7096		5715 6208 6702 7195	5764 6258 6751 7244	
06 07 08 09 10	8280 8773 9266	8329	8379 8872 9365	8428 8921 9414	8970	$9020 \\ 9513$	$8576 \\ 9069 \\ 9562$	$\begin{array}{c} 8132 \\ 8625 \\ 9118 \\ \underline{9611} \\ 0104 \end{array}$	9167	$9217 \\ 9710$	
8811 12 13 14 15	1238 1730 2223	0794 1287 1780 2272	0843 1336 1829 2322	0893 1386 1878 2371	0942 1435 1928 2420	0991 1484 1977	$1041 \\ 1533 \\ 2026$	1583	1139 1632 2125	1188 1681 2174	
16 17 18 19 20	3208 3701 4193 4686	2765 3258 3750 4243 4735	3307 3799 4292 4784	$3356 \\ 3849 \\ 4341$	3405 3898 4390	3455 3947 4440	$\begin{array}{c} 3504 \\ 3996 \end{array}$	3061 3553 4046 4538 5031	$3602 \\ 4095 \\ 4587$	$\begin{array}{c} 3652 \\ 4144 \end{array}$	49
8821 22 23 24 25	5671		5769	$\begin{array}{c} 6310 \\ 6803 \end{array}$	5867 6360 6852	5917 6409 6901	5966	5523 6015 6507 7000 7492	$6064 \\ 6557 \\ 7049$	5621 6114 6606 7098 7590	1 5 2 10 3 15 4 20 5 25 6 29
26 27 28 29 30	8131 8623 9115	7688 8180 8672 9164 9656	$8230 \\ 8722 \\ 9214$	8279 8771 9263	$\begin{array}{c} 8820 \\ 9312 \end{array}$	8377 8869 9361	8426		8525 9017 9509	9558	7 34 8 39 9 44
8831 32 33 34 35	1082 1574	0148 0640 1131 1623 2115	$0689 \\ 1181 \\ 1672$	$0738 \\ 1230 \\ 1721$	$0787 \\ 1279 \\ 1771$	$0836 \\ 1328 \\ 1820$	$0886 \\ 1377 \\ 1869$	0443 0935 1426 1918 2410	1967	$1033 \\ 1525 \\ 2016$	
36 37 38 39 40	3540 4031	2606 3098 3589 4080 4572	3638 4130	3196 3687 4179	3245 3737 4228	3294 3786 4277	3343		3442	3491 3982 4474	
8841 42 43 44 45	5505 5996 6487	5063 5554 6045 6536 7027	5603 6094 6586	5652	$\begin{array}{c} 5702 \\ 6193 \end{array}$	5751 6242 6733	$\frac{5800}{6291}$	5358 5849 6340 6831 7322	5898 6389 6880	5947	
46 47 48 49 8850	8451 8942	7518 8009 8500 8991 9482	8549 9040	8108 8598 9089	8157 8647 9138	8206 8697 9187	7764 8255 8746 9236 9727	8304	8353 8844 9335	8893 9384	

No.	0	1	2	3	4	5	6	7	8	9	Diff.	1
8850 51 52 53 54 55	947 0414 0905 1395	$\begin{array}{c} 9972 \\ 0463 \\ 0954 \\ 1444 \end{array}$	$\overline{0022}$	0071 0561 1052 1542	$ \begin{array}{r} 0\overline{120} \\ 0610 \\ 1101 \\ 1591 \end{array} $	0169 0659 1150 1640	$ \begin{array}{r} \hline 0218 \\ 0708 \\ 1199 \\ 1689 \end{array} $	$\begin{array}{c} 9776 \\ \hline 0267 \\ 0757 \\ 1248 \\ 1739 \\ 2229 \end{array}$	$\overline{0316}$ 0807 1297 1788	$0856 \\ 1346 \\ 1837$		
56 57 58 59 60	2866 3357 3847	2915 3406 3896	2474 2965 3455 3945 4435	$3014 \\ 3504 \\ 3994$	3063 3553 4043	$3112 \\ 3602 \\ 4092$	$3161 \\ 3651 \\ 4141$	2719 3210 3700 4190 4680	$3259 \\ 3749 \\ 4239$	$3308 \\ 3798 \\ 4288$		
8861 62 63 64 65	5317 5807 6297	5366 5856 6346	4925 5415 5905 6395 6885	$5464 \\ 5954 \\ 6444$	5513 6003 6493	$5562 \\ 6052 \\ 6542$	$5611 \\ 6101 \\ 6591$	5170 5660 6150 6640 7130	5709 6199 6689	5758 6248 6738		The second secon
66 67 68 69 70	7767 8257 8747	7816 8306 8796	7375 7865 8355 8844 9334	7914 8404 8893	7963 8453 8942	$8012 \\ 8502 \\ 8991$	8061 8551 9040	7620 8110 8600 9089 9579	8159 8649 9138	8208 8698 9187	49	
8871 72 73 74 75	948 0215 0705 1194	$0264 \\ 0754 \\ 1243$	9824 0313 0803 1292 1781	$0362 \\ 0852 \\ 1341$	$0411 \\ 0901 \\ 1390$	$0460 \\ 0950 \\ 1439$	$0509 \\ 0998 \\ 1488$	$ \begin{array}{r} \hline 0\overline{0}\overline{6}8\\ 0558\\ 1047\\ 1537\\ 2026\\ \end{array} $	$0607 \\ 1096 \\ 1586$	$0656 \\ 1145 \\ 1635$	1 8 2 10 3 15 4 20 5 25	5
76 77 78 79 80	2662 3151 3641	$\begin{array}{c} 2711 \\ 3200 \end{array}$	2271 2760 3249 3738 4227	$\begin{array}{c} 2809 \\ 3298 \end{array}$	2858 3347 3836	$2907 \\ 3396 \\ 3885$	$2956 \\ 3445 \\ 3934$	2515 3005 3494 3983 4472	$3054 \\ 3543 \\ 4032$	$3102 \\ 3592 \\ 4081$	6 29 7 39 8 39 9 49	1
8881 82 83 84 85	5108 5597 6085	$\begin{array}{c} 5646 \\ 6134 \end{array}$	$\begin{array}{c} 5205 \\ 5694 \end{array}$	$\begin{array}{c} 5743 \\ 6232 \end{array}$	$\begin{array}{c} 5792 \\ 6281 \end{array}$	5352 5841 6330	5401 5890 6379	4961 5450 5939 6428 6916	5499 5988 6477	5548 6037 6525		
86 87 88 89 90	7552 8040 8529	7601 8089 8578	7161 7650 8138 8627 9115	7698 8187 8676	$8236 \\ 8724$	7796 8285 8773	7845 8334 8822	7405 7894 8382 8871 9360	7943 8431 8920	7992 8480 8969		
8891 92 93 94 95	9995 949 0483 0971	$\begin{array}{c} \overline{0043} \\ 0532 \\ 1020 \end{array}$		$\begin{array}{c} \overline{0141} \\ 0629 \\ 1118 \end{array}$	$0\overline{190} \\ 0678 \\ 1167$	$\begin{array}{c} \overline{02}\overline{3}\overline{9} \\ 0727 \\ 1215 \end{array}$	$0288 \\ 0776 \\ 1264$	$\begin{array}{r} 9848 \\ \hline 0336 \\ 0825 \\ 1313 \\ 1801 \end{array}$	$0385 \\ 0874 \\ 1362$	$\begin{array}{c} \overline{0434} \\ 0922 \\ 1411 \end{array}$		
96 97 98 99 8900	2436 2924 3412	$2485 \\ 2973 \\ 3461$	2045 2534 3022 3510 3998	$2582 \\ 3070 \\ 3558$	$2631 \\ 3119 \\ 3607$	$2680 \\ 3168 \\ 3656$	2729 3217 3705	2289 2778 3266 3754 4242	$2826 \\ 3314 \\ 3802$	$2875 \\ 3363 \\ 3851$		

						-					
No.	0	1	2	3	4:	5	6	7	8	9	Diff.
8900 01 02 03 04 05	$4876 \\ 5364$	4437 4925 5413 5900	$4486 \\ 4973 \\ 5461$	4534 5022 5510 5998	$4583 \\ 5071 \\ 5559$	4632 5120 5608 6095	4193 4681 5169 5656 6144 6632	$\begin{array}{c} 5705 \\ 6193 \end{array}$	$\begin{array}{c} 4778 \\ 5266 \end{array}$		
06 07 08 09 10	8290 8777	7363 7851 8338 8826	7412 7900 8387 8875	8436 8923	7510 7997 8485 8972	$8533 \\ 9021$	7607 8095 8582 9069	7168 7656 8143 8631 9118	$\begin{array}{c} 8680 \\ 9167 \end{array}$	$8728 \\ 9216$	
8911 12 13 14 15	$9752 \\ 9500239 \\ 0726 \\ 1213$	$\begin{array}{c} 0775 \\ 1262 \end{array}$	9849 0337 0824 1311	$0385 \\ 0872 \\ 1360$	9947 0434 0921 1408	9995 0483 0970 1457	$0531 \\ 1019 \\ 1506$	$0\overline{0}\overline{9}\overline{3}$ 0580 1067 1554	$\begin{array}{c} 1116 \\ 1603 \end{array}$	$ \begin{array}{r} \hline 0190 \\ 0678 \\ 1165 \\ 1652 \end{array} $	
16 17 18 19 20	2188 2675 3162 3649		2285 2772 3259 3746	2334 2821 3308 3795	2382 2869 3356 3843	$2431 \\ 2918 \\ 3405 \\ 3892$	2967 3454 3941	$\begin{array}{c} 2529 \\ 3016 \\ 3502 \\ 3989 \end{array}$	3064 3551 4038	3113 3600 4087	49
8921 22 23 24 25	5109 5596 6082	4671 5158 5644 6131	$\begin{array}{c} 4720 \\ 5206 \\ 5693 \\ 6180 \end{array}$	5255 5742 6228	4817 5304 5790 6277	4866 5352 5839 6326	$5401 \\ 5888 \\ 6374$	4963 5450 5936 6423	$5498 \\ 5985 \\ 6472$	4574 5060 5547 6034 6520	1 5 2 10 3 15 4 20 5 25 6 29
26 27 28 29 30	7055 7542 8028	6617 7104 7590 8077 8563	7153 7639 8126	$\begin{array}{c} 7201 \\ 7688 \end{array}$	$7250 \\ 7736 \\ 8223$	7299 7785 8271	6861 7347 7834 8320 8806	7396 7882 8369	8417	7007 7493 7980 8466 8952	7 34 8 39 9 44
8931 32 33 34 35	$9487 \\ 9973 \\ 9510459$	$\overline{0022}$	$\begin{array}{c} 9584 \\ \hline 0071 \\ 0557 \end{array}$	$\frac{9633}{0119}$ 0605	$\frac{9682}{0168} \\ 0654$	$\frac{9730}{0216}$		$\tfrac{9827}{0314}$		$\frac{9925}{0411}$ 0897	
36 37 38 39 40	1918 2404 2889	1480 1966 2452 2938 3424	2015 2501 2987	$\begin{array}{c} 2549 \\ 3035 \end{array}$	$\frac{2598}{3084}$	$\frac{2646}{3132}$	$2209 \\ 2695 \\ 3181$	2744	3278	$\frac{2841}{3327}$	
8941 42 43 44 45	4347 4832 5318	3910 4395 4881 5366 5852	4444 4929 5415	4492 4978 5464	$4541 \\ 5027 \\ 5512$	4589 5075 5561	5609	$\begin{array}{c} 4687 \\ 5172 \end{array}$	5706	$5269 \\ 5755$	
46 47 48 49 8950	6774 7260 7745	6337 6823 7308 7794 8279	6871 7357 7842	6920 7405 7891	$\begin{array}{c} 7454 \\ 7939 \end{array}$	7017 7502 7988	$\begin{array}{c} 7551 \\ 8036 \end{array}$	6629 7114 7599 8085 8570	7163 7648 8133	7697 8182	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8950 51 52 53 54 55	$9201 \\ 9686 \\ 9520171$	8764 9249 9734	8813 9298 9783 0268	8861 9346 9831 0316	$\begin{array}{c} 9395 \\ 9880 \end{array}$	8958 9443 9928 0413	$9007 \\ 9492 \\ 9977$	$\begin{array}{c} 9540 \\ \hline 0025 \\ 0510 \end{array}$	$\begin{array}{c} 9104 \\ 9589 \end{array}$	$\begin{array}{c} 9152 \\ \underline{9637} \\ \overline{0122} \\ 0607 \end{array}$	
56 57 58 59 60	$1626 \\ 2111 \\ 2595$	2644	$\begin{array}{c} 1723 \\ 2208 \end{array}$			$1868 \\ 2353 \\ 2838$	2886	1480 1965 2450 2935 3419	2983	2062	
8961 62 63 64 65	4049 4534 5018	5067	$4146 \\ 4631 \\ 5115$	3710 4195 4679 5164 5648	5212	$\begin{array}{c} 4776 \\ 5261 \end{array}$	5309	4389 4873 5358	3952 4437 4922 5406 5890	5454	To Control of the Con
66 67 68 69 70	$6956 \\ 7440$	$\begin{array}{c} 6520 \\ 7004 \end{array}$	$6569 \\ 7053 \\ 7537$	6133 6617 7101 7586 8070	$6665 \\ 7150 \\ 7634$	6714 7198 7682	6762	6326 6811 7295 7779 8263		$7392 \\ 7876$	48
8971 72 73 74 75	8893 9377	8457 8941 9425 9909 0393	$9473 \\ 9957$			$9135 \\ 9619$	$\tfrac{9667}{0151}$	9231	$\tfrac{9764}{0248}$	$9328 \\ 9812$	1 5 2 10 3 14 4 19 5 24
76 77 78 79 80	1312 1796 2280	1361 1844 2328	$1409 \\ 1893 \\ 2376$		1506 1989 2473	$\begin{array}{c} 1554 \\ 2038 \\ 2522 \end{array}$	$\begin{array}{c} 1603 \\ 2086 \\ 2570 \end{array}$	1167 1651 2135 2618 3102	$1699 \\ 2183 \\ 2667$	$\begin{array}{c} 2231 \\ 2715 \end{array}$	6 29 7 34 8 38 9 43
8981 82 83 84 85	3247 3731 4214 4697 5181	$\begin{array}{c} 3779 \\ 4262 \end{array}$	3827 4311 4794	3392 3876 4359 4842 5326	$\begin{array}{c} 4407 \\ 4891 \end{array}$	$\frac{3972}{4456}$	4021 4504 4987	3585 4069 4552 5036 5519	3634 4117 4601 5084 5567	$\begin{array}{c} 4166 \\ 4649 \end{array}$	
86 87 88 89 90		$6196 \\ 6679 \\ 7162$	6727	7259		6389 6872 7355	6437	6002 6486 6969 7452 7935			
8991 92 93 94 95	8563 9046	$9094 \\ 9577$	$8660 \\ 9143 \\ 9625$	8708 9191 9674	9239	8804 9287 9770	$9336 \\ 9819$	8418 8901 9384 9867 0350	$\begin{array}{c} 9432 \\ 9915 \end{array}$	$\begin{array}{c} 9481 \\ 9963 \end{array}$	
96 97 98 99 9000	0977 1460 1943	$1025 \\ 1508 \\ 1991$	$1074 \\ 1556 \\ 2039$	0639 1122 1605 2087 2570	$1170 \\ 1653 \\ 2136$	1219 1701 2184	$1267 \\ 1749 \\ 2232$	0832 1315 1798 2280 2763		$1412 \\ 1894 \\ 2377$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9000 01 02 03 04 05	3390 3873	2956 3438 3921 4403	2522 3004 3487 3969 4451 4934	3052 3535 4017 4500	3101 3583 4065 4548	3149 3631 4114 4596	2715 3197 3680 4162 4644 5127	3245 3728 4210 4692	3294 3776 4258 4741	3342 3824 4307 4789	
06 07 08 09 10	5802 6284 6766 7248	5850 6332 6814 7296	5416 5898 6380 6862 7344	5946 6428 6910 7393	5994 6477 6959 7441	6043 6525 7007 7489	$7055 \\ 7537$	6139 6621 7103 7585	6187 6669 7152 7634	6236 6718 7200 7682	
9011 12 13 14 15	8212 8694 9176 9657	8260 8742 9224 9705	7826 8308 8790 9272 9754	8356 8838 9320 9802	8405 8886 9368 9850	8453 8935 9416 9898	8019 8501 8983 9465 9946	8549 9031 9513 9995	$\begin{array}{c} 8597 \\ 9079 \\ \underline{9561} \\ 0043 \end{array}$	$\begin{array}{c} 8646 \\ 9127 \\ \underline{9609} \\ 0091 \end{array}$	
16 17 18 19 20	1102 1584 2065	0669 1150 1632 2114	0717 1199 1680 2162	0765 1247 1728 2210	0813 1295 1776 2258	0862 1343 1825 2306	$1873 \\ 2354$	0958 1439 1921 2402	1006 1488 1969 2451	1054 1536 2017 2499	48
9021 22 23 24 25	3510 3991 4472	3076 3558 4039 4520	2643 3125 3606 4087 4568	3173 3654 4135 4616	3221 3702 4183 4665	$3269 \\ 3750 \\ 4231 \\ 4713$	2836 3317 3798 4280 4761	3365 3846 4328 4809	3413 3895 4376 4857	3461 3943 4424 4905	1 5 2 10 3 14 4 19 5 24
26 27 28 29 30	5434 5916 6397 6878	5483 5964 6445 6926	5050 5531 6012 6493 6974	5579 6060 6541 7022	5627 6108 6589 7070	5675 6156 6637 7118	5242 5723 6204 6685 7166	5771 6252 6733 7214	5819 6300 6781 7262	5867 6348 6829 7310	6 29 7 34 8 38 9 43
9031 32 33 34 35	.7839 8320 8801 9282	8368 8849 9330	7935 8416 8897 9378	$8945 \\ 9426$	8032 8512 8993 9474	8080 8560 9041 9522	7647 8128 8609 9089 9570	8176 8657 9137 9618	8224 8705 9185 9666	8272 8753 9234 9714	
36 . 37 38 39 40	956 0243 0723 1204 1684	0291 0771 1252 1732	0819 1300 1780	0387 0868 1348 1828	0435 0916 1396 1876	$0483 \\ 0964 \\ 1444 \\ 1925$	$ \begin{array}{r} \hline{0051} \\ \hline{0531} \\ \hline{1012} \\ \hline{1492} \\ \hline{1973} \end{array} $	$\begin{array}{c} 0579 \\ 1060 \\ 1540 \\ 2021 \end{array}$	0627 1108 1588 2069	0675 1156 1636 2117	
9041 42 43 44 45	2645 3125 3606 4086	2693 3173 3654 4134	2261 2741 3221 3702 4182	2789 3269 3750 4230	2837 3317 3798 4278	2885 3365 3846	2453 2933 3413 3894 4374	$2981 \\ 3461 \\ 3942$	$3029 \\ 3509 \\ 3990$	3077 3558 4038	
46 47 48 49 9050	5046 5526 6006	5094 5574 6054	4662 5142 5622 6102 6582	5190 5670 6150	5238 5718 6198	5286 5766 6246	4854 5334 5814 6294 6774	$5382 \\ 5862 \\ 6342$	5430 5910 6390	5478 5958 6438	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9050 51 52 53 54 55	7925	7014 7493 7973 8453	$7062 \\ 7541 \\ 8021 \\ 8501$	7110 7589 8069	6678 7158 7637 8117 8597 9076	7206 7685 8165 8645	7254 7733 8213 8693		7349 7829 8309 8789	$\begin{array}{c} 7397 \\ 7877 \end{array}$	
56 57 58 59 60	$9844 \\ 9570323 \\ 0803 \\ 1282$	$\begin{array}{c} 0851 \\ 1330 \end{array}$	9940 0419 0898 1378	$\begin{array}{c} 9988 \\ 0467 \\ 0946 \\ 1426 \end{array}$	$\begin{array}{c} 9556 \\ \hline 0035 \\ 0515 \\ 0994 \\ 1474 \end{array}$	$ \begin{array}{r} \hline 0083 \\ 0563 \\ 1042 \\ 1522 \end{array} $	$ \begin{array}{r} 0\overline{131} \\ 0611 \\ 1090 \\ 1570 \end{array} $	1618	$\frac{1186}{1665}$	0755 1234 1713	
9061 62 63 64 65	2241 2720 3199 3678	3726	$\begin{array}{c} 3295 \\ 3774 \end{array}$	1905 2384 2864 3343 3822	$\frac{3391}{3870}$	2959 3439 3918	3007 3486 3966	2097 2576 3055 3534 4013	$3103 \\ 3582 \\ 4061$	$\begin{array}{c} 3630 \\ 4109 \end{array}$	
66 67 68 69 70	5115 5594 6073	4684 5163 5642 6121	4732 5211 5690 6169	$5738 \\ 6217$	4349 4828 5307 5786 6264	5355 5833 6312	$5402 \\ 5881 \\ 6360$	4492 4971 5450 5929 6408	$5498 \\ 5977 \\ 6456$	5067 5546 6025 6504	48
9071 72 73 74 75	7509 7988 8466	8036 8514	7126 7605 8083 8562	8131 8610	6743 7222 7701 8179 8658	7270 7748 8227 8706	6839 7318 7796 8275 8753	6887 7366 7844 8323 8801	8371 8849	8897	1 5 2 10 3 14 4 19 5 24 6 29
76 77 78 79 80	$9423 \\ 9902 \\ 9580380 \\ 0858$	$\begin{array}{c} 0428 \\ 0906 \end{array}$	9519 9997 0476 0954	$\begin{array}{c} 9567 \\ \hline 0045 \\ 0524 \\ 1002 \end{array}$	1050	$\begin{array}{c} \overline{0141} \\ 0619 \\ 1098 \end{array}$	$\begin{array}{c} 9710 \\ \hline 0189 \\ 0667 \\ 1145 \end{array}$	1193	9328 9806 0284 0763 1241	$\begin{array}{c} 0811 \\ 1289 \end{array}$	7 34 8 38 9 43
9081 82 83 84 85	2293 2771 3249	3297	1911 2389 2867 3345	1480 1958 2437 2915 3393	1528 2006 2484 2962 3441	2054 2532 3010 3488	2102 2580 3058 3536	3584	2198 2676 3154 3632	2723 3202 3680	
86 87 88 89 90	5639	3775 4253 4731 5209 5687		4349 4827 5304 5782	5830	4444 4922 5400 5878	4492 4970 5448 5925	$\begin{array}{c} 5495 \\ 5973 \end{array}$	4110 4588 5065 5543 6021	$\begin{array}{c} 5591 \\ 6069 \end{array}$	·
9091 92 93 94 95	6117 6594 7072 7549 8027	6642 7120 7597 8075	6212 6690 7167 7645 8123	8170	6308 6785 7263 7741 8218	7311 7788 8266	6881 7358 7836 8314		6976 7454 7932 8409	7024 7502 7979 8457	
96 97 98 99 9100	8505 8982 9459 9937 959 0414	$9507 \\ 9984$	$\begin{array}{c} 8600 \\ 9077 \\ \underline{9555} \\ 0032 \\ 0509 \end{array}$	$\begin{array}{c} 8648 \\ 9125 \\ \underline{9603} \\ \overline{0080} \\ 0557 \end{array}$	$\tfrac{9650}{0128}$	$\begin{array}{r} 9221 \\ \underline{9698} \\ 0175 \end{array}$	$\begin{array}{c} 8791 \\ 9268 \\ \underline{9746} \\ 0223 \\ 0700 \end{array}$	$\begin{array}{c} 8839 \\ 9316 \\ 9793 \\ \hline 0271 \\ 0748 \end{array}$	$\begin{array}{c} 8886 \\ 9364 \\ \underline{9841} \\ \overline{0318} \\ 0796 \end{array}$	$\frac{9889}{0366}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff
9100 01 02 03 04 05	1368 1845 2322	0939 1416 1893 2370	$0987 \\ 1464 \\ 1941$	1034 1511 1989 2466	1082 1559 2036 2513	1130 1607 2084 2561	$\begin{array}{c} 1177 \\ 1655 \\ 2132 \\ 2609 \end{array}$	0748 1225 1702 2179 2656 3133	1273 1750 2227 2704	1321 1798 2275 2752	
06 07 08 09	3276 3753 4230 4707	3324 3801 4278	$\frac{3372}{3849}$	3420 3896 4373 4850	3467 3944 4421	3515 3992 4469 4945	3563 4039 4516 4993	3610	3658 4135 4612 5088	3706 4183 4659	
9111 12 13 14 15	6137 6614 7090	6661 7138	5756 6232 6709 7186 7662	$\begin{array}{c} 6757 \\ 7233 \end{array}$	$6328 \\ 6804 \\ 7281$	6375	6423		$6518 \\ 6995 \\ 7471$	6089 6566 7043 7519 7996	
16 17 18 19 20	8520 8996 9472	$\begin{array}{c} 8567 \\ 9044 \end{array}$	9091 9567	8662 9139	8710 9186 9663	$8758 \\ 9234$	$\frac{9282}{9758}$	$\begin{array}{c} 8377 \\ 8853 \\ 9329 \\ \underline{9806} \\ 0282 \end{array}$	8901 9377 9853	$\begin{array}{c} 8472 \\ 8948 \\ 9425 \\ \underline{9901} \\ 0377 \end{array}$	48
9121 22 23 24 25	1377 1853	0948	0996 1472 1948	1996	1091 1567	$\frac{1139}{1615}$	$\begin{array}{c} 1186 \\ 1662 \\ 2138 \end{array}$	0758 1234 1710 2186 2662	$\begin{array}{c} 1282 \\ 1758 \\ 2234 \end{array}$	1329 1805 2281	1 2 1 3 1 4 1 5 2
26 27 28 29 30		3328	2900 3376 3851 4327 4803	3423 3899 4375	3471 3947 4422	$\frac{3518}{3994}$	3566 4042 4517		3661	3709 4184 4660	6 2 7 3 8 3 9 4
9131 32 33 34 35	5659 6135 6610	$\begin{array}{c} 5707 \\ 6182 \end{array}$	$6230 \\ 6705$	5802 6277 6753	5849 6325 6800	5897 6372 6848	$\begin{array}{c} 5944 \\ 6420 \end{array}$	5516 5992 6467 6943 7418	$6039 \\ 6515 \\ 6990$	6087 6563	
36 37 38 39 40		8084 8559 9034	7656 8131 8607 9082 9557	8179 8654 9129	8226 8702	8274 8749		7894 8369 8844 9319 9795	8892	8464	
9141 42 43 44 45	961 0412 0887 1362	0460	$0982 \\ 1457$	$\begin{array}{c} 0555 \\ 1030 \end{array}$	0602 1077 1552	$0650 \\ 1125 \\ 1600$	$0697 \\ 1172 \\ 1647$	$\begin{array}{c} \overline{0270} \\ 0745 \\ 1220 \\ 1695 \\ 2170 \end{array}$	$0792 \\ 1267 \\ 1742$	0365 0840 1315 1790 2264	
46 47 48 49 9150	3736	3309 3784	2882 3357	3404 3879	2977 3451 3926	3499 3974	3072 3546 4021	2644 3119 3594 4069 4543	3167 3641 4116	3214 3689 4163	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9150 51 52 53 54 55	5160 5635 6109	$\begin{array}{c} 4733 \\ 5208 \end{array}$	4780 5255 5730	5302	4875 5350 5824	4923 5397 5872 6346	$4970 \\ 5445 \\ 5919$	6441	$5065 \\ 5540 \\ 6014$	5113 5587 6062	
56 57 58 59 60	7532 8006 8481		7627	7674 8149 8623	7248 7722 8196 8670 9144	8243 8718	7342 7817 8291 8765 9239	$\begin{array}{c} 7864 \\ 8338 \end{array}$	7437 7912 8386 8860 9334	8907	
9161 62 63 64 65	$9429 \\ 9903 \\ 9620377 \\ 0851 \\ 1325$	$9950 \\ 0424 \\ 0898$	0946	$\begin{array}{c} \overline{0045} \\ 0519 \end{array}$		$\begin{array}{c} \overline{0}\overline{1}\overline{4}\overline{0} \\ 0614 \\ 1088 \end{array}$		$\begin{array}{c} 0709 \\ 1183 \end{array}$	$\begin{array}{c} \overline{0282} \\ 0756 \end{array}$	$ \begin{array}{r} 0329 \\ 0803 \\ 1277 \end{array} $	
66 67 68 69 70	$2272 \\ 2746 \\ 3220$	$\begin{array}{c} 2793 \\ 3267 \end{array}$	$\begin{array}{c} 2367 \\ 2841 \end{array}$	3362	$\begin{array}{c} 2936 \\ 3409 \end{array}$	$\frac{2983}{3457}$	3504	$\begin{array}{c} 2604 \\ 3078 \end{array}$	$\begin{array}{c} 2178 \\ 2651 \\ 3125 \\ 3599 \\ 4072 \end{array}$	$\frac{2699}{3172}$	- 47
9171 72 73 74 75	5114 5587	4214 4688 5161 5635 6108	$4735 \\ 5209 \\ 5682$		4356 4830 5303 5777 6250	4877 5351 5824		$\begin{array}{c} 5445 \\ 5919 \end{array}$	5019	$\begin{array}{c} 5540 \\ 6013 \end{array}$	47 1 5 2 9 3 14 4 19 5 24
76 77 78 79 80	7954	$7055 \\ 7528 \\ 8001$		7149 7622 8096	6723 7197 7670 8143 8616	7244 7717 8190	$7291 \\ 7764 \\ 8238$	6865 7339 7812 8285 8758	7386 7859 8332	6960 7433 7906 8380 8853	6 28 7 33 8 38 9 42
9181 82 83 84 85	9373 9846 963 0319	$9420 \\ 9893$	$9940 \\ 0413$	$9515 \\ 9988$	$\begin{array}{c} 9089 \\ \underline{9562} \\ 0035 \\ 0508 \\ 0981 \end{array}$	$\begin{array}{c} 9609 \\ \overline{0082} \\ 0555 \end{array}$	$\begin{array}{c} 9184 \\ \underline{9657} \\ 0130 \\ 0602 \\ 1075 \end{array}$			$\tfrac{9799}{0271}$	
86 87 88 89 90	$\begin{array}{c} 1737 \\ 2210 \\ 2683 \end{array}$	$1784 \\ 2257 \\ 2730$	1359 1832 2304 2777 3250	$1879 \\ 2352 \\ 2824$	1454 1926 2399 2872 3344	1974 2446 2919	$\frac{2493}{2966}$	1595 2068 2541 3013 3486	$\begin{array}{c} 2588 \\ 3061 \end{array}$	$2163 \\ 2635 \\ 3108$	4
9191 92 93 94 95	4100	$\frac{4620}{5092}$	$\frac{4195}{4667}$	3769 4242 4714 5187 5659	3817 4289 4762 5234 5706	4336 4809 5281	3911 4384 4856 5328 5801	4431 4903 5376	4006 4478 4951 5423 5895	4525 4998	
96 97 98 99 9200	6462 6934 7406	6509 6981 7453	6084 6556 7028 7501 7973	$6604 \\ 7076 \\ 7548$	6651 7123 7595	$7170 \\ 7642$	6745 7217 7689	7265	7784	6887 7359 7831	

0	1	2	3	4	5	6	7	8	9	Diff.
8350 8822 9294	8398 8869 9341	8445 8917 9389	$8492 \\ 8964 \\ 9436$	8539 9011 9483	$8586 \\ 9058$	$\begin{array}{c} 8634 \\ 9105 \end{array}$	$\begin{array}{c} 8681 \\ 9153 \end{array}$	$\begin{array}{c} 8728 \\ 9200 \end{array}$	8775 9247	
9640238	0285	0332	0379	0427						
$1181 \\ 1653 \\ 2125$	1229 1700 2172	$1276 \\ 1747 \\ 2219$	$\begin{array}{c} 1323 \\ 1795 \\ 2266 \end{array}$	$1370 \\ 1842 \\ 2313$	1417 1889 2361	$1464 \\ 1936 \\ 2408$	$\begin{array}{c} 1512 \\ 1983 \\ 2455 \end{array}$	$1559 \\ 2030 \\ 2502$	$\begin{array}{c} 2078 \\ 2549 \end{array}$	
3539 4011 4482	$3586 \\ 4058 \\ 4529$	$3634 \\ 4105 \\ 4576$	$3681 \\ 4152 \\ 4623$	3728 4199 4671	3775 4246 4718	$3822 \\ 4294 \\ 4765$	$3869 \\ 4341 \\ 4812$	3916 4388 4859	3964 4435 4906	
$\frac{5896}{6367}$	$5943 \\ 6414 \\ 6885$	$5990 \\ 6461 \\ 6932$	$\begin{array}{c} 6037 \\ 6508 \\ 6979 \end{array}$	$6084 \\ 6555 \\ 7027$	6131 6603 7074	6179 6650 7121	$6226 \\ 6697 \\ 7168$	6273 6744 7215	6320	47
8251 8722 9193 9664	8298 8769 9240 9711	8345 8816 9287 9758	8392 8863 9334 9805	8440 8910 9381 9852	8487 8958 9428	$8534 \\ 9005 \\ 9475$	8581 9052 9523	8628 9099 9570	8675 9146 9617	1 5 2 9 3 14 4 19 5 24
$\begin{array}{c} 0605 \\ 1076 \\ 1546 \\ 2017 \end{array}$	0652 1123 1594 2064	$0699 \\ 1170 \\ 1641 \\ 2111$	$\begin{array}{c} 0746 \\ 1217 \\ 1688 \\ 2158 \end{array}$	$0793 \\ 1264 \\ 1735 \\ 2205$	$0841 \\ 1311 \\ 1782$	$0888 \\ 1358 \\ 1829$	0935 1405 1876	$0982 \\ 1452 \\ 1923$	1029 1499 1970	6 28 7 33 8 38 9 42
2958 3428 3899	$3005 \\ 3475 \\ 3946$	$3052 \\ 3522 \\ 3993$	$3099 \\ 3569 \\ 4040$	3146 3617 4087	$3193 \\ 3664 \\ 4134$	$3240 \\ 3711 \\ 4181$	$3287 \\ 3758 \\ 4228$	$3334 \\ 3805 \\ 4275$	$\frac{3381}{3852}$	3/2
$5780 \\ 6250$	5356 5827 6297	$5403 \\ 5874 \\ 6344$	$5450 \\ 5921 \\ 6391$	5497 5968 6438	5545 6015 6485	$\begin{array}{c} 5592 \\ 6062 \\ 6532 \end{array}$	$5639 \\ 6109 \\ 6579$	$5686 \\ 6156 \\ 6626$	$\begin{array}{c} 5733 \\ 6203 \end{array}$	
7660 8130 8599	7707 8177 8646	7754 8224 8693	$7801 \\ 8270 \\ 8740$	7848 8317 8787	7895 8364 8834	$7942 \\ 8411 \\ 8881$	7989 8458 8928	8036 8505 8975	8083 8552 9022	
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	963 7878 8350 8822 9294 9766 964 0238 0710 1181 1653 21596 3068 3539 4011 4482 4953 5425 5896 6367 6368 7780 8251 8722 9193 9664 965 0135 0605 1076 1546 2017 2488 2958 3428 2958 3428 3428 3499 4369 4839 5780 6720 7190 7660 8130 8599 9069 9539 966 0009 0478 0948	963 7878 7925 8350 8398 8822 8869 9294 9341 9766 9813 964 0238 0285 0710 0757 1181 1229 1653 17700 2125 2172 2596 2643 3068 3115 3539 3586 4011 4058 4482 4529 4953 5001 5425 5472 5896 5943 6367 6414 6838 6885 7309 7356 7780 7827 8251 8298 8722 8769 9193 9240 9664 9711 965 0135 0182 0605 0652 1076 1123 1546 1594 2017 2064 2488 2535 2958 3005 3428 3475 3899 3946 4369 4416 4839 4886 5309 5356 5780 5827 6250 6297 6720 6767 7190 7237 7660 7707 8130 8177 8599 8646 9069 9116 9539 9586 966 0009 0056 0078 0552 0748 0595	963 7878 7925 7973 8350 8398 8445 8822 8869 8917 9294 9341 9389 9766 9813 9860 964 0238 0285 0332 0710 0757 0804 1181 1229 1276 1653 1700 1747 2125 2172 2219 2596 2643 2691 3068 3115 3162 3539 3566 3634 4011 4058 4105 4482 4529 4576 4953 5001 5048 5425 5472 5519 5896 5943 5990 6367 6414 6461 6838 6885 6932 7309 7356 7403 7780 7827 7874 8251 8298 8345 8722 8769 8816 9133 9240 9287 9664 9711 9758 965 0135 0182 0229 0605 0652 0699 1076 1123 1170 1546 1594 1641 2017 2064 2111 2488 2535 2582 2958 3005 3052 3428 3475 3522 3899 3946 9436 4839 4886 4933 5309 5356 5403 5780 5827 5874 6250 6297 6344 6720 6767 6814 7190 7237 7284 7660 7707 7754 8130 8177 8224 8599 8646 8693 9069 9116 9163 9539 9586 9633 966 0009 0066 0103 0478 0525 0572 0948 0995 1042	963 7878 7925 7973 8020 8350 8398 8445 8492 8822 8869 8917 8964 9294 9341 9389 9436 9766 9813 9860 9908 964 0238 0285 0332 0379 0710 0757 0804 0851 1181 1229 1276 1323 1653 1700 1747 1795 2125 2172 2219 2266 2596 2643 2691 2738 3068 3115 3162 3209 3539 3586 3634 3681 4011 4058 4105 4152 4482 4529 4576 4623 4953 5001 5048 5095 5425 5472 5519 5566 5896 5943 5990 6037 6367 6414 6461 6508 6838 6885 6932 6979 7309 7356 7403 7451 7780 7827 7874 7922 8251 8298 8345 8392 8722 8769 8816 8863 9193 9240 9287 9334 9664 9711 9758 9805 965 0135 0182 0229 0276 0605 0652 0699 0746 1076 1123 1170 1217 1546 1594 1641 1688 2017 2064 2111 2158 2488 2535 2582 2629 2958 3005 3052 3099 3428 3475 3522 3569 3899 3946 3993 4040 4369 4416 4463 4510 4839 4886 4933 4980 5309 5356 5403 5450 5780 5827 5874 5921 6250 6297 6344 6391 6720 6767 6814 6861 7190 7237 7284 7331 7660 7707 7754 7801 8130 8177 8224 8270 8599 8646 8693 8740 9069 9116 9163 9210 9539 9586 9633 9680 966 0009 0056 0103 0149 0478 0525 0572 0619 048 0995 1042 1089	963 7878 7925 7973 8020 8067 8350 8398 8445 8492 8539 8822 8869 8917 8964 9011 9294 9341 9389 9436 9483 9766 9813 9860 9908 9955 964 0238 0285 0332 0379 0427 0710 0757 0804 0851 0898 1181 1229 1276 1323 1370 1653 1700 1747 1795 1842 2125 2172 2219 2266 2313 2596 2643 2691 2738 2785 3068 3115 3162 3209 3256 3539 3586 3634 3681 3728 4011 4058 4105 4152 4199 4482 4529 4576 4623 4671 4953 5001 5048 5095 5142 5425 5472 5519 5566 5613 5896 5943 5990 6037 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2219 2266 2313 2361 2596 2643 2691 2738 2785 2832 3688 3115 3162 3209 3256 3304 3539 3586 3634 3681 3728 3775 4011 4058 4105 4152 4199 4246 4482 4529 4576 4623 4671 4718 4953 5001 5048 5095 5142 5189 5425 5472 5519 5566 5613 6600 5896 5943 5990 6037 6084 6131 6367 6414 6461 6508 6555 6603 6838 6885 6932 6979 7027 7074 7309 7356 7403 7451 7498 7545 7780 7827 7874 7922 7969 8016 8251 8298 8345 8392 8440 8487 8722 8769 8816 8863 8910 8958 9193 9240 9287 9334 9381 9428 9664 9711 9758 9805 9852 9899 965 0135 0182 0229 0276 0323 0370 0605 0652 0699 0746 0793 0841 1076 1123 1170 1217 1264 1311 1546 1594 1641 1688 1735 1782 2017 2064 2111 2158 2205 2252 2488 2535 2582 2629 2676 2723 2958 3005 3052 3099 3146 3193 3428 3475 3522 3569 3617 3664 4461 4463 4510 4557 4604 4483 4866 4416 4463 4510 4557 4604 4483 4866 4416 4463 4510 4557 4604 4483 4866 4416 4463 4510 4557 4604 4839 4886 4933 4980 5027 5074 5309 5365 5403 5450 5497 5545 5780 5827 5874 5921 5968 6015 6250 6297 6344 6391 6438 6485 6720 6767 6814 6861 6908 6955 7190 7237 7284 7331 7378 7425 7660 7707 7754 7801 7848 7895 5866 6609 0166 6250 6297 6344 6391 6438 6485 6720 6767 6814 6861 6908 6955 7190 7237 7284 7331 7378 7425 7660 7707 7754 7801 7848 7895 5455 5403 5450 5497 5545 5580 5827 5874 5921 5968 6015 6250 6297 6344 6391 6438 6485 6720 6767 6814 6861 6908 6955 7190 7237 7284 7331 7378 7425 7660 7707 7754 7801 7848 7895 7806 9116 9163 9210 9257 9304 9480 995 1042 1089 1136 1183	963 7878 7925 7973 8020 8067 8114 8161 8350 8398 8445 8492 8539 8586 8634 8822 8869 8917 8964 9011 9058 9105 9294 9341 9389 9436 9483 9530 9577 9766 9813 9860 9908 9955 00002 0049 9640238 0285 0332 0379 0427 0474 0521 0710 0757 0804 0851 0898 0946 0993 1181 1229 1276 1323 1370 1417 1464 1653 1700 1747 1795 1842 1889 1936 2125 2172 2219 2266 2313 2361 2408 2596 2643 2691 2738 2785 2832 2879 368 3115 3162 3209 3256 3304 3351 3539 3586 3634 3681 3728 3755 3822 4011 4058 4105 4152 4199 4246 4294 4482 4529 4576 4623 4671 4718 4765 4953 5001 5048 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7472 7660 7707 7754 7801 7848 7855 7902 9468 6009 0056 0103 0149 0196 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0525 0572 0619 0666 0713 0760 0478 0595 1042 1089 1136 1138 1230	963 7878 7925 7973 8020 8067 8114 8161 8209 8350 8398 8445 8492 8539 8586 8634 8681 8222 8869 8917 8964 9011 9294 9341 9389 9436 9483 9530 9577 9625 9766 9813 9860 9908 9955 90002 90740 70474 0521 0568 0710 0757 0804 0851 0898 0946 0993 1040 1181 1229 1276 1323 1370 1417 1464 1512 1653 1700 1747 1795 1842 1889 1936 1936 1938 2125 2172 2219 2266 2313 2361 2408 2455 2596 2643 2691 2738 2785 2832 2879 2926 3068 3115 3162 3209 3256 3304 3351 3398 3539 3586 3634 3681 3728 3775 3822 3869 4011 4058 4105 4152 4199 4246 4294 4341 4482 4529 4576 4623 4671 4718 4765 4812 4953 5001 5048 5095 5142 5189 5236 5283 5425 5472 5519 5566 5613 5660 5707 5755 5896 5943 5990 6037 6084 6131 6179 6226 6367 6414 6461 6508 6555 6603 6650 6697 6838 6885 6932 6979 7027 7074 7121 7168 7309 7356 7403 7451 7498 7545 7592 7639 7780 7827 7874 7922 7969 8016 8063 8110 8251 8298 8345 8392 8440 8487 8534 8581 8722 8769 8816 8863 8910 8958 9005 9052 9193 9240 9287 9334 9381 9428 9475 9523 9664 9711 9758 9805 9852 9899 9946 9993 9966 9913 5048 2509 276 0323 0370 0417 0464 1546 1594 1641 1688 1735 1782 1829 1876 2017 2064 2111 2158 2205 2252 2299 2346 4288 2535 2582 2629 2676 2723 2770 2817 2958 3005 3052 3099 3146 3193 3240 3287 3428 3475 3522 3569 3617 3644 4184 4228 4369 4416 4463 4510 4557 4604 4651 4693 4488 4378 5322 2770 2817 2958 3005 3052 3099 3146 3193 3240 3287 3428 3475 3522 3569 3617 3644 3711 3758 3493 4488 4488 4933 4980 5027 5074 5121 5168 5309 5356 5403 5450 5497 5545 5592 5639 5560 6207 6814 6861 6908 6955 7002 7049 7190 7237 7284 7331 7378 7425 7472 7519 7660 7707 7754 7801 7854 8891 9946 993 9946	963 7878 7925 7973 8020 8067 8114 8161 8209 8256 8350 8398 8445 8492 8539 8586 8634 8681 8728 828 8869 8917 8964 9011 9058 9105 9153 9200 9264 9341 9389 9436 9483 9483 9530 9577 9625 9672 9766 9813 9860 9908 9955 0000 0049 0096 0014 0087 1181 1229 1276 1323 1370 1417 1464 1512 1559 1653 1700 1747 1795 1842 1889 1936 1983 2030 2155 2172 2219 2266 2313 2361 2408 2455 2502 2506 2643 2691 2738 2785 2832 2879 2926 2974 4011 4058 4105 4152 4159 4246 4294 4341 4388 4482 4529 4576 4623 4671 4718 4765 4812 4859 4565 5001 5048 5095 5142 5189 5236 5283 5330 5425 5472 5519 5566 5613 5660 5707 5755 5802 5836 5643 5990 6037 6084 6131 6179 6226 6273 6367 6414 6461 6508 6555 6603 6650 6697 6748 6838 6885 6932 6979 7027 7074 7121 7168 7215 7309 7356 7403 7451 7498 7545 7592 7639 7686 77780 7857 7874 7922 7969 8016 8063 8110 8157 8251 8298 8345 8392 8440 8487 8534 8811 8298 9336 9350 9350 9350 9350 9350 9350 9350 9350	963 7878 7925 7973 8020 8067 8144 8161 8209 8256 8303 8358 8345 8492 8539 8566 8634 8681 8728 8725 822 8869 8917 8964 9011 9058 9105 9153 9200 9247 9249 9341 9389 9436 9483 9530 9577 9625 9672 9719 9666 9813 9860 9908 9955 0002 0049 0096 0144 0191 9664 0238 0285 0332 0379 0427 0474 0521 0566 0615 0665 0615 0665 0615 0665 0615 061

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9250 51 52 53 54 55	2356 2826 3295	1464 1934 2403 2873 3342 3811	2450 2919 3389	$2028 \\ 2497 \\ 2966$	2075 2544 3013 3483	$2122 \\ 2591$	$2638 \\ 3107 \\ 3577$	1746 2215 2685 3154 3623 4093	$\begin{array}{c} 2262 \\ 2732 \end{array}$	1840 2309 2779 3248 3717 4187	
56 57 58 59 60	4703 5172 5641	$\begin{array}{c} 4280 \\ 4750 \\ 5219 \\ 5688 \\ 6157 \end{array}$	4796 5266 5735		5828		$\begin{array}{c} 4984 \\ 5453 \\ 5922 \end{array}$	$\begin{array}{c} 5031 \\ 5500 \end{array}$	5078 5547 6016	5594	
9261 62 63 64 65	7517 7985	6626 7095 7564 8032 8501	8079	$\begin{array}{c} 6720 \\ 7188 \\ 7657 \\ 8126 \\ 8595 \end{array}$	6766 7235 7704 8173 8642	$6813 \\ 7282 \\ 7751 \\ 8220 \\ 8689$	6860 7329 7798 8267 8735	6907 7376 7845 8314 8782	$6954 \\ 7423 \\ 7892 \\ 8360 \\ 8829$	7001 7470 7939 8407 8876	
66 67 68 69 70	$\begin{array}{r} 9392 \\ 9860 \\ 9670329 \end{array}$	8970 9438 9907 0376 0844	$9485 \\ 9954 \\ 0423$		$\begin{array}{c} 9579 \\ \hline 0048 \\ 0516 \end{array}$		$\begin{array}{c} 9673 \\ \hline 0141 \\ 0610 \end{array}$	0657	$\begin{array}{c} 9298 \\ \underline{9767} \\ 0235 \\ 0704 \\ 1172 \end{array}$	$\frac{\overline{0282}}{0750}$	47
9271 72 73 74 75	1734 2203 2671	$\begin{array}{c} 1781 \\ 2249 \end{array}$	$\frac{2296}{2765}$	$\begin{array}{c} 2343 \\ 2811 \end{array}$	$\begin{array}{c} 1922 \\ 2390 \end{array}$	2437	1547 2015 2484 2952 3420	2062	$\begin{array}{c} 1641 \\ 2109 \\ 2577 \\ 3046 \\ 3514 \end{array}$		1 5 2 9 3 14 4 19 5 24
76 77 78 79 80	$\begin{array}{c} 4544 \\ 5012 \end{array}$	4122	$4169 \\ 4637 \\ 5105$	$\begin{array}{c} 4684 \\ 5152 \end{array}$	5199	4310 4778 5246	3888 4356 4825 5293 5761	3935 4403 4871 5339 5807	$\begin{array}{c} 4918 \\ 5386 \end{array}$	$\begin{array}{c} 4965 \\ 5433 \end{array}$	6 28 7 33 8 38 9 42
9281 82 83 84 85	$6416 \\ 6884$	5995 6462 6930 7398 7866	$6509 \\ 6977 \\ 7445$	6556		$6650 \\ 7117 \\ 7585$		6743	$\begin{array}{c} 7258 \\ 7726 \end{array}$	6837 7305 7772	
86 87 88 89 90	8754 9222	8334 8801 9269 9736 0204	$8848 \\ 9316 \\ 9783$	$8895 \\ 9362 \\ 9830$	8474 8942 9409 9877 0344	$8988 \\ 9456 \\ 9923$	$9503 \\ 9970$	$\begin{array}{c} 8614 \\ 9082 \\ \underline{9549} \\ \overline{0017} \\ 0484 \end{array}$	$\frac{9596}{0064}$	9175	
9291 92 93 94 95	1092 1559 2027		$1185 \\ 1653 \\ 2120$	2167	$\frac{1279}{1746}$	$1326 \\ 1793 \\ 2260$	1372 1840 2307	0952 1419 1886 2354 2821	$1466 \\ 1933 \\ 2400$	$1513 \\ 1980$	
96 97 98 99 9300	3895 4362	$3475 \\ 3942 \\ 4409$	$\frac{3989}{4456}$	$3568 \\ 4036 \\ 4503$	3148 3615 4082 4549 5016	3195 3662 4129 4596	3241 3709 4176 4643	$\frac{3288}{3755}$	3335 3802 4269 4736	$3849 \\ 4316 \\ 4783$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9300 01 02 03 04 05	5763 6230 6697	$5343 \\ 5810 \\ 6277$	5390 5857 6324 6790	4970 5437 5903 6370 6837 7304	5483 5950 6417 6884	5530 5997 6464 6930	$\begin{array}{c} 5577 \\ 6043 \\ 6510 \end{array}$	$\begin{array}{c} 6557 \\ 7024 \end{array}$	5670 6137 6604 7070	5717 6184 6650 7117	
06 07 08 09 10 9311 12	8097 8564 9030 9497	$8144 \\ 8610 \\ 9077 \\ 9543 \\ \hline{0010}$	$\begin{array}{c} 8190 \\ 8657 \\ 9124 \\ 9590 \\ \hline 0057 \end{array}$	7770 8237 8704 9170 9637 0103 0570	$\begin{array}{c} 8284 \\ 8750 \\ 9217 \\ 9683 \\ \hline 0150 \\ \end{array}$	8330 8797 9264 9730 $\overline{0196}$	8377 8844 9310 9777 $\overline{0243}$	$7957 \\ 8424 \\ 8890 \\ 9357 \\ 9823 \\ \hline 0290 \\ 0756$	8470 8937 9404 9870 $\overline{0336}$	8517 8984 9450 9917	
13 14 15 16	0896 1362 1829	0943 1409 1875	0989 1456 1922	1036 1502 1968	1083 1549 2015	1129 1595 2062	1176 1642 2108	1222 1689 2155	1269 1735 2202	$\begin{array}{c} 1782 \\ 2248 \end{array}$	
17 18 19 20	3693	$\begin{array}{c} 2808 \\ 3274 \end{array}$	$2854 \\ 3320 \\ 3786$	2435 2901 3367 3833 4299	$\begin{array}{c} 2947 \\ 3413 \end{array}$	2994 3460 3926	3041	$\begin{array}{c} 3553 \\ 4019 \end{array}$	3134	3180 3647	47
9321 22 23 24 25	555 7 6023 6488	5138 5603 6069 6535	5184 5650 6116 6582	6628	5277 5743 6209 6675	5324 5790 6256 6721	5371 5836 6302 6768	5883 6349 6814	5464 5929 6395 6861	5510 5976 6442 6908	1 5 2 9 3 14 4 19 5 24
26 27 28 29 30	7420 7885 8351	7466 7932 8397	7513 7978 8444	7094 7559 8025 8491 8956	7606 8072 8537	7653 8118 8584	8165	7746 8211 8677		8770	6 28 7 33 8 38 9 42
9331 32 33 34 35	$\begin{array}{r} 9747 \\ 9700213 \\ 0678 \end{array}$	$9794 \\ 0259 \\ 0724$	$9840 \\ 0306 \\ 0771$	9422 9887 0352 0818 1283	9933 0399 0864	$9980 \\ 0445 \\ 0911$	0492	$\begin{array}{c} \overline{0073} \\ 0538 \\ 1004 \end{array}$	0585	$0166 \\ 0631 \\ 1097$	
36 37 38 39 40	2074 2539 3004	$\begin{array}{c} 2120 \\ 2585 \end{array}$	2167 2632 3097	1748 2213 2678 3143 3608	$\begin{array}{c} 2260 \\ 2725 \end{array}$	$2306 \\ 2771 \\ 3236$	$2353 \\ 2818 \\ 3283$	1934 2399 2864 3329 3794	$2446 \\ 2911 \\ 3376$	$2492 \\ 2957 \\ 3422$	
9341 42 43 44 45	4399 4863 5328	4445 4910	4492 4956 5421	4073 4538 5003 5468 5932	$\begin{array}{c} 4585 \\ 5049 \end{array}$	4631 5096 5561	5142	4724 5189 5654	5235	4817 5282	
46 47 48 49 9350	6258 6722 7187 7652 8116	6769 7233 7698	7280 7745	6397 6862 7326 7791 8255	6908 7373 7837	6955 7419 7884	$7466 \\ 7930$	7048		7605 8070	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9350 51 52 53 54	9045 9509 9974	$\begin{array}{c} 8627 \\ 9091 \\ \underline{9556} \\ 0020 \end{array}$	$\begin{array}{c} 8673 \\ 9138 \\ \underline{9602} \\ \overline{0067} \end{array}$	$\begin{array}{c} 8720 \\ 9184 \\ \underline{9649} \\ 0113 \end{array}$	$\begin{array}{c} 8766 \\ 9231 \\ \underline{9695} \\ \overline{0159} \end{array}$	$\begin{array}{c} 8813 \\ 9277 \\ \underline{9742} \\ \overline{0206} \end{array}$	$\begin{array}{c} 8859 \\ 9324 \\ \underline{9788} \\ \overline{0252} \end{array}$	$\begin{array}{c} 8441 \\ 8906 \\ 9370 \\ \underline{9834} \\ \overline{0299} \end{array}$	$\begin{array}{c} 8952 \\ 9416 \\ \underline{9881} \\ 0345 \end{array}$	$\begin{array}{c} 8999 \\ 9463 \\ \underline{9927} \\ 0391 \end{array}$	
55 56 57 58 59 60	1366 1830 2294	0949 1413 1877 2341	0995 1459 1923 2387	$\begin{array}{c} 1041 \\ 1506 \end{array}$	1088 1552 2016 2480	$\begin{array}{c} 1134 \\ 1598 \\ 2062 \\ 2526 \end{array}$	$\begin{array}{c} 1181 \\ 1645 \\ 2109 \end{array}$	0763 1227 1691 2155 2619 3083	$\begin{array}{c} 1273 \\ 1738 \\ 2202 \end{array}$	1320 1784 2248 2712	
9361 62 63 64 65	3222 3686 4150 4614	3269	3315 3779 4243 4707	3362 3826 4289 4753	3408 3872 4336 4800	3454 3918 4382 4846	3501 3965 4429 4892	3547 4011 4475 4939 5402	3594 4057 4521 4985	3640 4104 4568 5031	
66 67 68 69 70	6005 6469 6932		$6098 \\ 6562 \\ 7025$	5681 6144 6608 7071 7535	6191 6654 7118	$6237 \\ 6701 \\ 7164$	$6283 \\ 6747 \\ 7211$	5866 6330 6793 7257 7720	$6376 \\ 6840 \\ 7303$	6422	46
9371 72 73 74 75	8323 8786 9249	7906 8369 8833 9296 9759	8415 8879 9342	$\bf 8925$	8508 8972 9435	8554 9018 9481	$\begin{array}{c} 8601 \\ 9064 \end{array}$	$\begin{array}{c} 8184 \\ 8647 \\ 9111 \\ \underline{9574} \\ \overline{0037} \end{array}$	$\begin{array}{c} 8694 \\ 9157 \end{array}$	8740 9203 9666	1 5 2 9 3 14 4 18 5 23 6 28
76 77 78 79 80	$\frac{1102}{1565}$	$\begin{array}{c} 0222 \\ 0685 \\ 1149 \\ 1612 \\ 2075 \end{array}$	$0732 \\ 1195 \\ 1658$	$0778 \\ 1241 \\ 1704$	0824 1288 1751	$0871 \\ 1334 \\ 1797$	0917 1380 1843	0500 0963 1426 1889 2352	1010 1473 1936	$1056 \\ 1519 \\ 1982$	7 32 8 37 9 41
9381 82 83 84 85	2954 3417 3880	2538 3001 3463 3926 4389	$3047 \\ 3510 \\ 3973$	$\begin{array}{c} 3093 \\ 3556 \end{array}$	$3139 \\ 3602 \\ 4065$	3186 3649 4111	$\boldsymbol{3695}$	$3278 \\ 3741 \\ 4204$	3325	$\begin{array}{c} 3371 \\ 3834 \end{array}$	
86 87 88 89 90	$5731 \\ 6193$	5314 5777	$5361 \\ 5823 \\ 6286$	$\begin{array}{c} 5870 \\ 6332 \end{array}$	5453 5916 6378	$5500 \\ 5962 \\ 6425$	5546 6008 6471	5129 5592 6055 6517 6980	$\begin{array}{c} 6101 \\ 6563 \end{array}$	$\begin{array}{c} 6147 \\ 6610 \end{array}$	
9391 92 93 94 95	7581 8043 8506	7165 7627 8089 8552 9014	8136 8598	$7720 \\ 8182 \\ 8644$	8228 8690	7812 8274 8737	$8321 \\ 8783$	7442 7905 8367 8829 9291	8413 8875	7997	
96 97 98 99 9400	$9892 \\ 9730354 \\ 0816$	9476 9938 0401 0863 1325	9985 0447 0909	$0031 \\ 0493 \\ 0955$	$0077 \\ 0539 \\ 1001$	$0123 \\ 0585 \\ 1048$	$0170 \\ 0632 \\ 1094$	$\begin{array}{r} 9754 \\ \hline 02\overline{16} \\ 0678 \\ 1140 \\ 1602 \end{array}$	$\begin{array}{c} \overline{0262} \\ 0724 \\ 1186 \end{array}$	$\overline{03}\overline{08}$ 0770 1232	

7100											
No.	0	1	2	3	4	5	6	7	8	9	Diff
9400 01 02 03 04 05 06 07 08 09 10 9411 12 13	220: 266: 3126: 3588: 4056: 4511: 4973: 5438: 5896: 6358: 6818: 7281	$1787 \\ 2249 \\ 42711$	1833 2295 2757 3219 3680 4142 4604 5065 5527 5989 6450 6911 7373	1879 2341 2803 3265 3727 4188 4650 5112 5573 6035 6496 6958 7419	1925 2387 2849 3311 3773 4234 4696 5158 5619 6081 6542 7004 7465	1972 2433 3357 3819 4281 4742 5204 5665 6127, 6588 7050 7511	2018 2480 2941 3403 3865 4327 4788 5250 5712 6173 6635 7096 7557	2064 2526 2988 3449 3911 4373 4835 5296 5758 6219 6681 7142 7604	3034 3496 3957 4419 4881 5342 5804 6265 6727 7188 7650	2156 2618 3080 3542 4004 4465 4927 5389 5850 6312 6773 7234 7696	
14 15 16 17 18	8203 8664 9126	8 8249 8 8711 8 9172 9 9 6 3 3	8295 8757 9218 9679	8342 8803 9264 9725	8388 8849 19310 9771	8434 8895 9356 9817	8480 8941 9402 9864	8526 8987 9449 9910	8111 8572 9033 9495 9956 0417	$\begin{array}{c} 8618 \\ 9080 \\ \underline{9541} \\ \overline{0002} \end{array}$	
20 9421 22 23 24 25	0509 0970 1431 1892 4 2353	0 0555 1016 1477 1938 2399 2860	0601 1062 1523 1984 2445	1108 1569 2030 2491	0693 1154 1615 2076 2537	0740 1201 1661 2122 2583	0786 1247 1708 2168 2629	0832 1293 1754 2215 2675	0878 1339 1800 2261	0924 1385 1846 2307 2768	46 1 8 2 9 3 14 4 18 5 23
26 27 28 29 30	3735 4196 4656		3827 4288 4748 5209	387 3 4334 4795 5255	3919 4380 4841 5301	3505 3965 4426 4887 5347	3551 4011 4472 4933	3597 4058 4518 4979	3643 /4104 4564 5025	3689 4150 4610 5071	6 28 7 32 8 37 9 41
9431 32 33 34 35	6498 6959 7419	6084 6544 7005 7465	6130 6590 7051 7511	6176 6636 7097 7557	6683 7143 7603	6268 6729 7189 7649	6314 6775 7235 7695	6360 6821 7281 7741	5946 6406 6867 7327 7787	6452 6913 7373 7833	
36 37 38 39 40	8340 8800 9260	$8846 \\ 9306$	$\begin{array}{c} 8432 \\ 8892 \\ 9352 \end{array}$	8478 8938 9398	8524 8984 9444	8570 9030 9490 9950	8616 9076 9536 9996	$\begin{array}{c} 8662 \\ 9122 \\ \underline{9582} \\ \overline{0042}. \end{array}$	$\frac{9168}{9628} \\ \hline 0088 \\ /$	8754 9214 9674 0134	•
9441 42 43 44 45	1100 1560 2020	0686 1146 1606 2066	0732 1192 1652 2112	0778 1238 1698 2158	0824 1284 1744 2204	0870 1330 1790 2250	0916 1376 1836 2296	0962 1422 1882 2341	1928 2387	1054 1514 1974 2433	
46 47 48 49 450	3399 3858	3445	3491 3950	3537 3996	3583 4042	2709 3169 3629 4088 4548	3215 3675 4134	3261 3721 4180	3767 4226	3353 3813 4272	

No.	0	1	2	3	4	5	6	7	8	9	Diff
	975 4318 4778 5237 5697 6156	4364 4824 5283 5743 6202	4410 4870 5329 5788 6248	4456 74915 75375 5834 6294	4502 4961 5421 5880 6340	4548 5007 5467	4594 5053 5513 5972 6432	5099 5559 6018 6478	4686 5145 5605 6064 6523	4732 5191 5651 6110 6569	
56 57 58 59 60	8452	$7580 \\ 8039 \\ 8498$	7626 8085 8544		$7718 \\ 8177 \\ 8636$	$\begin{array}{c} 7763 \\ 8223 \\ 8682 \end{array}$	7350 7809 8269 8728 9187	$7855 \\ 8315 \\ 8774$	7901 8360 8820	7947 /8406 8865	
9461 62 63 64 65	976 0288 0747	9875.0334.0793	$9921 \\ 0380 \\ 0839$	9967	$\begin{array}{c} \overline{0013} \\ 0472 \\ 0931 \end{array}$	$00\overline{59}$ 0518 0977	$\begin{array}{r} 9646 \\ \hline 0105 \\ 0564 \\ 1023 \\ 1481 \end{array}$	$0151 \\ 0610 \\ 1069$	$0\overline{197}$. 0656 1114	$\begin{array}{c} \overline{0243} \\ 0701 \\ 1160 \end{array}$	
66 67 68 69 70	$ \begin{array}{r} 2124 \\ 2582 \\ 3041 \end{array} $	$2170 \\ 2628 \\ 3087$	$2216 \\ 2674 \\ 3133$	1803 2261 2720 3179 3637	$2307 \\ 2766 \\ 3225$	$2353 \\ 2812 \\ 3270$	1940 2399 2858 3316 3775	$2445 \\ 2904 \\ 3362$	$2491 \\ 2949 \\ 3408$	2537 2995 3454	46
9471 72 73 74 75	* 4417 4875 5334	4463 4921 5380	4509 4967 5425	4096 4554 5013 5471 5930	$\begin{array}{c} 4600 \\ 5059 \\ 5517 \end{array}$	4646 5105 45563	4233 4692 5150 5609 6067	4738 5196 5655	$4784 \\ 5242 \\ 5701$	$\frac{5288}{5746}$	1 2 3 1 4 1 5 2
76 77 78 79 80	6709 7167 7625	$6755 \\ 7213 \\ 7671$	$6800 \\ 7259 \\ 7717$	6388 6846 7305 7763 8221	$\begin{array}{c} 6892 \\ 7350 \\ 7808 \end{array}$	6938 7396 7854	$\begin{array}{c} 6525 \\ 6984 \\ 7442 \\ 7900 \\ 8358 \end{array}$	7030 7488 7946	7075 7534 7992	$7121 \\ 7579 \\ 8038$	6 2 7 3 8 3 9 4
9481 82 83 84 85	9000 9458	$9045 \\ 9503 \\ 9961$	$\frac{9091}{9549} \\ \hline 0007$	$\begin{array}{c} 8679 \\ 9137 \\ \underline{9595} \\ \overline{0053} \\ 0511 \end{array}$	$\begin{array}{c} 9183 \\ \underline{9641} \\ \overline{0099} \end{array}$	$\begin{array}{r} 9229 \\ \underline{9686} \\ 0144 \end{array}$	$\begin{array}{c} 8816 \\ 9274 \\ \underline{9732} \\ \overline{0190} \\ 0648 \end{array}$	$9320 \\ 9778 \\ \hline 0236$	$\begin{array}{c} 9366 \\ 9824 \\ \hline 0282 \end{array}$	$9412 \\ 9870 \\ \hline 0328$	
86 87 88 89 90	1289 1747 2204	$1335 \\ 1793 \\ 2250$	1381 1838 2296	$\begin{array}{c} 0969 \\ 1426 \\ 1884 \\ 2342 \\ 2799 \end{array}$	$1472 \\ 1930 \\ 2388$	$1518 \\ 1976 \\ 2433$	$ \begin{array}{c} 1106 \\ 1564 \\ 2021 \\ 2479 \\ 2937 \end{array} $	$\begin{array}{c} 1609 \\ 2067 \\ 2525 \end{array}$	$1655 \\ 2113 \\ 2571$	1701 2159 2616	
9491 92 93 94 95	3577 4035 4492	3623 4081 4538	$3669 \\ 4126 \\ 4584$	3257 3715 4172 4630 5087	$3760 \\ 4218 \\ 4675$	$3806 \\ 4264 \\ 4721$	3394 3852 4309 4767 5224	$3898 \\ 4355 \\ 4812$	3943 4401 4858	$3989 \\ 4447 \\ 4904$	
96 97 98 99 9500	5407 5864 6322 6779	5453 5910 6367 6825	5499 5956 6413 6870	$5544 \\ 6002 \\ 6459$	5590 6047 6505 6962	7007	6139 6596 7053	$\begin{array}{c} 6184 \\ 6642 \end{array}$	$6230 \\ 6687 \\ 7145$	$6276 \\ 6733 \\ 7190$	

No.	0	1,	2	3 ·	4	5	6	7	8	9	Diff.
01 02 03 04 05	8150 8607 9064	7739 8196 8653 9110	7785 8242 8699 9156	7830 8287 8744 9201	7876 8333 8790 9247	7922	7967 8424 8881 9338	8013 8470 8927 9384	8059 8516 8973 9430	8105 8562 9019 9476	
06 07 08 09 10	978 0435 0892 1348	0481 0937	0526 0983 1440	$0572 \\ 1029 \\ 1485$	$0618 \\ 1074 \\ 1531$	1120 1577	$\begin{array}{c} 0709 \\ 1166 \\ 1622 \end{array}$	0755 1211	$0800 \\ 1257 \\ 1714$	0846 1303 1760	
9511 12 13 14 15	2718 3175 3631	2307 2764 3221 3677 4134	2810 3266 3723	2855 3312 3768	2901 3358 3814	2947 3403 3860	$\frac{2992}{3449}$ $\frac{3905}{3905}$	2581 3038 3495 3951 4407	3084 3540 3997	3129 3586 4042	
16 17 .18 19 20	5001 5457 5913	4590 5046 5503 5959 6415	5092 5548 6005	$5138 \\ 5594 \\ 6050$	5183 5640 6096	5229 5685 6141	5274 5731 6187	4864 5320 5776 6233 6689	5366 5822 6278	5411 5868 6324	46
9521 22 23 24 25	7282 7738 8194 8650	6871 7327 7783 8239 8695	7373 7829 8285 8741	7419 7875 8331 8787	7464 7920 8376 8832	7510 7966 8422 8878	7555 8011 8467	7145 7601 8057 8513 8969	7647 8103 8559	7692 8148 8604	1 8 2 9 3 14 4 18 5 23
26 27 28 29 30	$9562 \\ 9790017 \\ 0473$	9151 9607 0063 0519 0975	9653 0109 0564	9698 0154 0610	$9744 \\ 0200 \\ 0656$	9790 0245 0701	$\begin{array}{c} 9835 \\ 0291 \\ 0747 \end{array}$	9425 9881 0337 0792 1248	9926 0382 0838	9972 0428 0883	6 28 7 32 8 37 9 41
9531 32 33 34 35	$1840 \\ 2296 \\ 2751$	1430 1886 2341 2797 3253	1931 2387 2843	1977 2433 2888	2023 2478 2934	2068 2524 2979	$2114 \\ 2569 \\ 3025$	1704 2159 2615 3070 3526	2205 2660 3116	2250 2706 3161	
36 37 38 39 40	4118 4573 5028		4209 4664 5120	4254 4710 5165	4300 4755 5211	4346 4801 5256	4391 4846, 5302		4482 4937 5393	4528 4983 5438	
9541 42 43 44 45	6394 6849	6895 7350	6485 6940 7395	6531 6986 7441	6576 7031 7486	6622 7077 7532	6667 7122 7577	6258 6713 7168 7623 8078	6758 7213 7668	6804 7259 7714	
46 47 48 49 9550	8669	8715 9170 9624	8760 9215 9670	8806 9261 9715	8851 9306 9761		8942 9397 9852	8988	9033 9488 9943	9079 9533 9988	

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No.	0	1	2	3	4	5	6	7	8	9	Diff	-
9550 51 52 53 54 55	$0943 \\ 1398 \\ -1852$	0534 0989 1443 1898		$1080 \\ 1534 \\ 1989$	$0670 \\ 1125 \\ 1580 \\ 2034$	$0716 \\ 1170 \\ 1625 \\ 2080$	0761 1216 1671 2125	0352 0807 1261 1716 2171 2625	0852 1307 1761 2216	$\begin{array}{c} 0898 \\ 1352 \\ 1807 \\ 2261 \end{array}$		
56 57 58 59 60	2761 3216 3670 4125	2807 3261 3716 4170	$2852 \\ 3307 \\ 3761$	2898 3352 3807 4261	$\frac{2943}{3398}$	2989 3443 3897 4352	3034 3489	3080 3534 3988 4443	$\frac{3125}{3579}$	$3170 \\ 3625 \\ 4079 \\ 4533$		
9561 62 63 64 65	5942 6396	$\begin{array}{c} 5987 \\ 6441 \end{array}$	5124 5578 6032 6486 6941	$\begin{array}{c} 6078 \\ 6532 \end{array}$	$5669 \\ 6123 \\ 6577$	5714 6169 6623	$5760 \\ 6214 \\ 6668$	5351 5805 6259 6714 7168	$5851 \\ 6305 \\ 6759$	$5896 \\ 6350 \\ 6804$		
66 67 68 69 70	7758 8212 8666	$7803 \\ 8257 \\ 8711$	7395 7849 8302 8756 9210	$7894 \\ 8348 \\ 8802$	7939 8393	7985 8439 8892	$\begin{array}{c} 8030 \\ 8484 \end{array}$	7622 8075, 8529 8983 9437	$8121 \\ 8575 \\ 9029$	8620	45	
9571 72 73 74 75	981 0027 0481 0934	$\begin{array}{c} 0072 \\ 0526 \end{array}$	$\begin{array}{c} 0571 \\ 1025 \end{array}$	$0163 \\ 0617$	$\begin{array}{c} 0662 \\ 1116 \end{array}$	$0254 \\ 0707 \\ 1161 \\ 1615$	$\begin{array}{c} 0299 \\ 0753 \\ 1206 \\ 1660 \end{array}$	1705	$0390 \\ 0844 \\ 1297 \\ 1751$	$0435 \\ 0889 \\ 1342 \\ 1796$	1 8 2 9 3 14 4 18 5 23 6 27	1 3
76 77 78 79 80	$2295 \\ 2748$	$\frac{2794}{3247}$	$\begin{array}{c} 1932 \\ 2386 \\ 2839 \\ 3292 \\ 3746 \end{array}$	$\begin{array}{c} 2884 \\ 3338 \end{array}$	$2476 \\ 2930 \\ 3383$	$2522 \\ 2975 \\ 3428$	$\begin{array}{c} 2567 \\ 3020 \\ 3474 \end{array}$	2159 2612 3066 3519 3972	$2658 \\ 3111 \\ 3564$	$\begin{array}{c} 2703 \\ 3156 \\ 3610 \end{array}$	7 35 8 36 9 47	2
9581 82 83 84 85	4562 5015 5468	$\frac{4607}{5060}$ $\frac{5513}{5}$	$\begin{array}{c} 4199 \\ 4652 \\ 5106 \\ 5559 \\ 6012 \end{array}$	$\frac{4698}{5151}$ $\frac{5604}{}$	4743 5196 5649	4788 5241 5695	4834 5287 5740	4426 4879 5332 5785 6238	4924 5377 5831	$4970 \\ 5423 \\ 5876$		
86 87 88 89 90	6827 7280	6873 7326 7778	6465 6918 7371 7824 8277	6963 7416 7869	$\begin{array}{c} 7008 \\ 7461 \end{array}$	7054 7507 7960	$7099 \\ 7552 \\ 8005$	6691 7144 7597 8050 8503	$7190 \\ 7643 \\ 8095$	7235 7688 8141	-	
9591 92 93 94 95	9092	$\frac{9137}{9590} \\ \hline 0042$	$\tfrac{9635}{0088}$	$9228 \\ 9680$	$\frac{9273}{9726} \\ \hline{0178}$	$\begin{array}{c} 9318 \\ \underline{9771} \\ \overline{0223} \end{array}$	$\frac{9363}{9816} \\ \hline 0269$	$\begin{array}{c} 8956 \\ 9409 \\ 9861 \\ \hline 0314 \\ 0767 \end{array}$	$\frac{9454}{9907} \\ \hline 0359$	$9499 \\ 9952 \\ \hline 0405$		
96 97 98 99 9600	1355 1807 2260	$1400 \\ 1853 \\ 2305$	$0993 \\ 1445 \\ 1898 \\ 2350 \\ 2803$	1491 1943 2396	$\begin{array}{c} 1536 \\ 1988 \\ -2441 \end{array}$	$1581 \\ 2034 \\ 2486$	2531	$\begin{array}{c} 1672 \\ 2124 \end{array}$	2622	$1762 \\ 2215 \\ 2667$		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9600	982 2712										
01						×3391					11.
02						73843					
03	4069	4115	4160	4205	4250	34295 74748	4341	4386	4431	4470	
04 05	4922	5010	5064	5100	6166	5200	K945	5900	14000	5381	
		-									
06						5652					-
07 08						6556					
09		6827							7143		
10		7279							7595		,
9611		7731			7967	7019			8047		
12		8183			8318				8499		
13		8635							8951		
14		9086							9403		
15	9493	9538	9583	9628	9674	9719	9764	9809	9854	9899	
16	49945	9990	$\overline{0035}$	$\overline{0080}$	$\overline{0125}$	0170	$\overline{0216}$	0261	0306	0351	
17	983 0396	0441	0486	0532	0577	0622	0667	0712	0757	0803	
18						1073					
19						1525					
20	7 1751	1796	1841	1886	1931	1976	2022	2067	2112	2157	45
621		2247				2428					1 1
22		2699							3015		2 9
23						3331					3 14
24						3782					4 18
25		4053					-		4368		5 23 6 27
26						4684					7 32
27						5135					8 36
28 29		5406 5857				5586			6173		9 41
30		6308							6624		
	4	6759							7075		
$\begin{array}{c c} 9631 \\ 32 \end{array}$		7210							7525		
33		7661							7976		1
34		8111							8427		
35	8517	8562	8607	8652	8697	8743	8788	8833	8878	8923	
36	8968	9013	9058	9103	9148	9193	9238	9283	9328	9374	
37		9464							9779		1
38	/ 9869								$\overline{0230}$		
39	984 0320										
40	₹ 0770	0815	0860	0905	0951	0996	1041	1086	1131	1176	
9641		1266							1581		
42	71671	1716	1761	1806	1851	/ 1896	1942	1987.	2032	2077	
43		2167							2482		
44		2617							2932		
45						3247					
46	3473				3653	3698			3833		
47		3968.				4148					
	11 4313	4418				4598		4088	4/33	4/18	
48		4868	1012	4059	K002	5048	5000	20 20	5183	5999	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9650 51 52 53 54	984 5273 5723 6173	5318 5768 6218 6668	5363 5813 6263 6713	$5408 \\ 5858 \\ 6308$	5453 5903 6353 6803	5498 5948 6398 6848	5543 5993 6443 6893 7343	5588 6038 6488 6938	5633 6083 6533	$6128 \\ 6578 \\ 7028$	
55 56 57 58 59	7973 8422 8872 9322	9367	8063 8512 8962 9412	8107 8557 9007 9457	8152 8602 9052 9502	8197 8647 9097 9546	7793 8242 8692 9142 9591	8287 8737 9187 9636	8332 8782 9232 9681	8827 9277 9726	
60 9661 62 63 64 65	$9850221\\0670\\1120\\1569$	9816 0266 0715 1165 1614 2064	$0311 \\ 0760 \\ 1210 \\ 1659$	0356 0805 1255 1704	0401 0850 1300 1749	0446 0895 1345 1794	$00\overline{41}$ 0491 0940 1389 1839 2288	0535 0985 1434 1884	$0580 \\ 1030$	$1075 \\ 1524 \\ 1974$	
66 67 68 69 70	2917 3366 3816	2513 2962 3411 3861 4310	$3007 \\ 3456 \\ 3905$	$3052 \\ 3501 \\ 3950$	3097 3546 3995	$3142 \\ 3591 \\ 4040$	$\begin{array}{c} 3636 \\ 4085 \end{array}$	$\begin{array}{c} 3232 \\ 3681 \end{array}$	2827 3277 3726 4175 4624	2872 3321 3771 4220 4669	45
9671 72 73 74 75	5163 5612 6061 6510	4759 5208 5657 6106 6555	5253 5702 6151 6600	5298 5747 6196 6644	5342 5791 6240 6689	$5836 \\ 6285 \\ 6734$	4983 5432 5881 6330 6779	5477 5926 6375 6824	$5971 \\ 6420 \\ 6869$	$6465 \\ 6914$	1 5 2 9 3 14 4 18 5 23 6 27
76 77 78 79 80	7407 7856 8305 8754	7003 7452 7901 8350 8798	7497 7946 8395 8843	7542 7991 8440 8888	7587 8036 8484 8933	7632 8081 8529 8978	7677 8125 8574 9023	8619 9068	8215 8664 9112	7811 8260 8709 9157	7 32 8 36 9 41
9681 82 83 84 85	9651 986 0099 0548 0996	$\begin{array}{c} 0593 \\ 1041 \end{array}$	9740 0189 0637 1086	9785 0234 0682 1131	9830 0279 0727 1176	$\begin{array}{c} 9875 \\ 0324 \\ 0772 \\ 1220 \end{array}$		$9965 \\ 0413 \\ 0862 \\ 1310$	$ \begin{array}{r} \hline 0010 \\ 0458 \\ 0907 \\ 1355 \end{array} $	$ \begin{array}{r} \hline 0054 \\ 0503 \\ 0951 \\ 1400 \end{array} $	
86 87 88 89 90	1893 2341 2790 3238	1489 1938 2386 2834 3283	$1983 \\ 2431 \\ 2879 \\ 3327$	2027 2476 2924 3372	$\begin{array}{c} 2521 \\ 2969 \\ 3417 \end{array}$	$\frac{3014}{3462}$	2162 2610 3058 3507	$\begin{array}{c} 2207 \\ 2655 \\ 3103 \\ 3551 \end{array}$	2252 2700 3148 3596	2745 3193 3641	
9691 92 93 94 95	4134 4582 5030 5478	4627 5075 5523	4224 4672 5120 5568	4268 4717 5165 5613	4313 4761 5209 5657	4358 4806 5254 5702	5747	4448 4896 5344 5792	4493 4941 5389 5836	4537 4985 5433 5881	
96 97 98 99 9700	6374 6822 7270	5971 6419 6867 7314 7762	$6464 \\ 6911 \\ 7359$	$6508 \\ 6956 \\ 7404$	6553 7001 7449	$6598 \\ 7046 \\ 7493$	6195 6643 7090 7538 7986	$6687 \\ 7135 \\ 7583$	7628	6777 7225 7673	

No. 0 1 2 3 4 5 6 7 8 9 Diff												
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06 07 08 09 10	987	$0850 \\ 1298 \\ 1745$	0448 0895 1342 1790 2237	$0940 \\ 1387 \\ 1834$	$0985 \\ 1432 \\ 1879$	1029 1477 1924	1074 1521 1969	1119 1566 2013	0716 1163 1611 2058 2505	$1208 \\ 1656 \\ 2103$	1253 1700 2148	
9711 12 13 14 15		3087 3534 3981	2684 3131 3579 4026 4473	$3176 \\ 3623 \\ 4070$	$3221 \\ 3668 \\ 4115$	$3266 \\ 3713 \\ 4160$	3310 3757 4205	$3355 \\ 3802 \\ 4249$	2953 3400 3847 4294 4741	$3444 \\ 3892 \\ 4339$	3489 3936 4383	
16 17 18 19 20		$5322 \\ 5769 \\ 6216$	4920 5367 5814 6261 6707	$5411 \\ 5858 \\ 6305$	$5456 \\ 5903 \\ 6350$	$5501 \\ 5948 \\ 6395$	5545 5992 6439	$5590 \\ 6037 \\ 6484$	5188 5635 6082 6529 6975	$5680 \\ 6126 \\ 6573$	5724 6171 6618	45
9721 22 23 24 25		$7556 \\ 8003 \\ 8450$	7154 7601 8048 8494 8941	$7646 \\ 8092 \\ 8539$	7690 8137 8583	7735 8182 8628	$7780 \\ 8226 \\ 8673$	7824 8271 8717	7422 7869 8316 8762 9209	8360 8807	7958 8405 8851	1 5 2 9 3 14 4 18 5 23
26 27 28 29 30	988	$\begin{array}{c} 9789 \\ 80236 \\ 0682 \end{array}$	9387 9834 0280 0727 1173	$9878 \\ 0325 \\ 0771$	$9923 \\ 0370 \\ 0816$	9968 0414 0861	$0012 \\ 0459 \\ 0905$	0057 0503 0950	$\begin{array}{r} 9655 \\ \hline 0102 \\ 0548 \\ 0994 \\ 1441 \end{array}$	0146 0593 1039	$0191 \\ 0637 \\ 1084$	6 27 7 32 8 36 9 41
9731 32 33 34 35		2021 2467 2913	1619 2066 2512 2958 3404	$2110 \\ 2556 \\ 3003$	2155 2601 3047	$2200 \\ 2646 \\ 3092$	$2244 \\ 2690 \\ 3136$	2289 2735 3181	1887 2333 2780 3226 3672	$2378 \\ 2824 \\ 3270$	2423 2869 3315	
36 37 38 39 40		4252 4698 5144	3850 4296 4742 5188 5634	4341 4787 5233	4386 4831 5277	$4430 \\ 4876 \\ 5322$	4475 4921 5367	4519 4965 5411	4118 4564 5010 5456 5902	$\frac{4609}{5054}$ $\frac{5500}{5}$	4653 5099 5545	
9741 42 43 44 45		6481 6927 7373	6080 6526 6972 7417 7863	6570 7016 7462	6615 7061 7506	7105 7551	6704 7150 7596	6749 7194 7640	6348 6793 7239 7685 8130	6838 7284 7729	$6882 \\ 7328 \\ 7774$	
46 47 48 49 9750		8710 9155 9601	8309 8754 9200 9645 0091	8799 9244 9690	8843 9289 9734	8888 9333 9779	8932 9378 9823	8977 9423 9868	8576 9022 9467 9913 0358	9066 9512 9957	$\begin{array}{c} 9111 \\ \underline{9556} \\ \overline{0002} \end{array}$	

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No.	0	1	2	3	4	5 ·	6	7	8	9	Diff.
9750 51 52 53 54 55	0937 1382 1828	$\begin{array}{c} 0091 \\ 0536 \\ 0981 \\ 1427 \\ 1872 \\ 2317 \end{array}$	0581 1026 1471 1917	$0625 \\ 1071 \\ 1516 \\ 1961$	$\begin{array}{c} 0670 \\ 1115 \end{array}$	$0714 \\ 1160 \\ 1605 \\ 2050$	$\begin{array}{c} 0759 \\ 1204 \\ 1649 \\ 2095 \end{array}$	$\begin{array}{c} 0358 \\ 0803 \\ 1249 \\ 1694 \\ 2139 \\ 2584 \end{array}$	$\begin{array}{c} 0848 \\ 1293 \\ 1738 \\ 2184 \end{array}$	$\begin{array}{c} 0892 \\ 1338 \\ 1783 \\ 2228 \end{array}$	
56 57 58 59 60	$\frac{3608}{4053}$	2762 3208 3653 4098 4543	$\frac{3697}{4142}$	$3297 \\ 3742 \\ 4187$	4231	3386 3831 4276	$3430 \\ 3875 \\ 4320$	3030 3475 3920 4365 4810	$\frac{3519}{3964}$	$3564 \\ 4009 \\ 4454$	
9761 62 63 64 65			$\begin{array}{c} 5477 \\ 5922 \end{array}$	$5521 \\ 5966 \\ 6411$	6011	5610 6055 6500	5655 6100 6545	5255 5699 6144 6589 7034	$5744 \\ 6189 \\ 6634$	$5788 \\ 6233 \\ 6678$	
66 67 68 69 70	8057 8501	7212 7656 8101 8546 8990	$\begin{array}{c} 8145 \\ 8590 \end{array}$	$7745 \\ 8190 \\ 8634$	8234 8679	7834 8279 8723	7879 8323 8768	8368			44
9771 72 73 74 75	$9835 \\ 9900279 \\ 0723$	9435 9879 0323 0768 1212	$9923 \\ 0368 \\ 0812$	$9968 \\ 0412 \\ 0857$	$\begin{array}{c} \overline{0012} \\ 0457 \end{array}$	0057 0501 0946	$\begin{array}{c} \overline{0101} \\ 0546 \end{array}$	$\begin{array}{c} 9701 \\ \hline 0146 \\ 0590 \\ 1034 \\ 1479 \end{array}$	$\begin{array}{c} \overline{0190} \\ 0634 \end{array}$	$\begin{array}{c} \overline{0235} \\ 0679 \end{array}$	1 2 3 13 4 14 15 25 6 26
76 77 78 79 80	$2056 \\ 2500 \\ 2944$	1656 2101 2545 2989 3433	$2145 \\ 2589 \\ 3033$	$2189 \\ 2634 \\ 3078$	$\begin{array}{c} 2234 \\ 2678 \end{array}$	$2278 \\ 2722 \\ 3167$	$\begin{array}{c} 2767 \\ 3211 \end{array}$	$1923 \\ 2367 \\ 2811 \\ 3255 \\ 3699$	$\begin{array}{c} 2856 \\ 3300 \end{array}$	2456	7 3:8 3:9 4:
9781 82 83 84 85	$4277 \\ 4721 \\ 5164$	3877 4321 4765 5209 5653	$4365 \\ 4809 \\ 5253$	4410 4854 5298	$\begin{array}{c} 4898 \\ 5342 \end{array}$	4499 4942 5386	4099 4543 4987 5431 5875	4587	$\begin{array}{c} 4632 \\ 5076 \end{array}$	5564	
86 87 88 89 90	6496 6940 7383	6096 6540 6984 7428 7871	$6585 \\ 7028 \\ 7472$	$7073 \\ 7516$	$\begin{array}{c} 7117 \\ 7561 \end{array}$	6718 7161 7605	6762 7206 7649	6363 6806 7250 7694 8137	$\frac{7295}{7738}$	6895 7339 7783	
9791 92 93 94 95	9158	$8758 \\ 9202 \\ 9645$	$9246 \\ 9690$	8847 9291 9734	$9335 \\ 9778$	8936 9379 9823	$9424 \\ 9867$	8581 9025 9468 9911 0355	9956	$\frac{9113}{9557}\\ \frac{9557}{0000}$	
96 97 98 99 9800	0931 1374 1818		$1020 \\ 1463 \\ 1906$	$1064 \\ 1507 \\ 1951$		$1153 \\ 1596 \\ 2039$	1197 1640 2083	1685	1286 1729 2172	$1330 \\ 1773 \\ 2216$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9800 01 02 03 04 05	3147 -3590 -4033	2748 3191 3634	2793 3236 3679 4122	2837 3280 3723 4166	2881 3324 3767 4210	2925 3369 3812 4255	2970 3413 3856 4299	2571 3014 3457 3900 4343 4786	3058 3501 3944 4387	3103 3546 3989 4432	7
06 07 08 09	4919 5362 5805 6247	4963 5406 5849 6292 6734	5007 5450 5893 6336	5052 5495 5937 6380	5096 5539 5982 6424	5140 5583 6026 6469	5185 5627 6070 6513	5229 5672 6115 6557 7000	5273 5716 6159 6602	531 7 5760 6203 6646	
9811 12 13 14 15	7133 7575 8018 8461	7177 7620 8062	7221 7664 8107 8549	7266 7708 8151 8593	7310 7752 8195 8638	7354 7797 8239 8682	7398 7841 8284 8726	7443 7885 8328 8770 9213	7487 7929 8372 8815	7531 79 74 8416 8859	
16 17 18 19 20	9788 992 0230 0673	9390 9832 0275 0717 1159	$9876 \\ 0319 \\ 0761$	$\begin{array}{c} 9921 \\ 0363 \\ 0805 \end{array}$	$9965 \\ 0407 \\ 0850$	0451 0894	$\begin{array}{c} \overline{0053} \\ 0496 \end{array}$	$\begin{array}{c} 9655 \\ \hline 00098 \\ 0540 \\ 0982 \\ 1424 \end{array}$	$\begin{array}{c} \overline{0142} \\ 0584 \end{array}$	0628	
9821 22 23 24 25		$2044 \\ 2486 \\ 2928$	2972	$2132 \\ 2574 \\ 3016$	3060	$\frac{2220}{2662}$	$2265 \\ 2707 \\ 3149$	1867 2309 2751 3193 3635	2353 2795 3237	2397	1 44 2 9 3 13 4 18 5 22
26 27 28 29 30	$\frac{4210}{4651}$	3812 4254 4696 5138 5579	$\frac{4298}{4740}$	4342 4784 5226	4386 4828 5270	4431 4872 5314	4475 4917 5358	4077 4519 4961 5403 5844	4563 5005 5447	4607 5049 5491	6 26 7 31 8 35 9 40
9831 32 33 34 35	6419 6860 7302	6021 6463 6905 7346 7788	6507 6949 7390	6551 6993 7435	6595 7037 7479		$6684 \\ 7125 \\ 7567$	6286 6728 7170 7611 8053	$\begin{array}{c} 6772 \\ 7214 \end{array}$	6816 7258 7699	
36 37 38 39 40	8627 9068 9510	8229 8671 9112 9554 9995	8715 9156 9598	8759 9201 9642	8803 9245	8847 9289 9730	$8892 \\ 9333$	$\begin{array}{c} 8494 \\ 8936 \\ 9377 \\ \underline{9819} \\ 0260 \end{array}$	$\begin{array}{c} 8980 \\ 9421 \end{array}$	9024 9465 9907	-
9841 42 43 44 45	$1275 \\ 1716$	0436 0878 1319 1760 2201	$0922 \\ 1363 \\ 1804$	0966 1407 1848	1010 1451 1893	1054 1495 1937	1098 1540 1981	0701 1142 1584 2025 2466	$\begin{array}{c} 1187 \\ 1628 \\ 2069 \end{array}$	$1231 \\ 1672 \\ 2113$	
46 47 48 49 9850	2598 3039 3480 3921	2642 3083 3524 3965 4406	2687 3128 3569 4010	2731 3172 3613 4054	2775 3216 3657 4098	2819 3260 3701 4142	2863 3304 3745 4186	2907 3348 3789	2951 3392 3833 4274	2995 3436 3877 4318	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9850 51 52 53 54 55	4803 - 5244 5685 6126 6566	5288 5729 6170 6610	$\begin{array}{c} 4891 \\ 5332 \\ 5773 \\ 6214 \\ 6654 \end{array}$	$\begin{array}{c} 4935 \\ 5376 \\ 5817 \\ 6258 \\ 6698 \end{array}$	4980 5420 5861 6302 6743	5024 5464 5905 6346 6787	5509 5949 6390 6831	5993 6434 6875	5597 6037 6478 6919	$6082 \\ 6522 \\ 6963$	
56 57 58 59 60	7448 7888 8329	7051 7492 7932 8373 8813	7536 7976 8417		7624	$8108 \\ 8549$		8637	$\begin{array}{c} 8241 \\ 8681 \end{array}$	7844 8285 8725	
9861 62 63 64 65	$\begin{array}{r} -9650 \\ 9940090 \\ 0531 \end{array}$	$\begin{array}{c} 0134 \\ 0575 \end{array}$	$\begin{array}{c} 9738 \\ 0178 \end{array}$	$\begin{array}{c} 9782 \\ 0222 \\ 0663 \end{array}$	$\begin{array}{c} 9826 \\ 0266 \end{array}$	$9870 \\ 0310 \\ 0751$	9474 9914 0355 0795 1235	$9958 \\ 0399 \\ 0839$	$\begin{array}{c} \overline{0}\overline{0}\overline{0}\overline{2} \\ 0443 \end{array}$	$\begin{array}{c} \overline{0046} \\ 0487 \\ 0927 \end{array}$	
66 67 68 69 70	$1851 \\ 2291 \\ 2731$	$\begin{array}{c} 1895 \\ 2335 \end{array}$	$\begin{array}{c} 2379 \\ 2820 \end{array}$	2864	$\begin{array}{c} 2027 \\ 2467 \\ 2908 \end{array}$	2511	$\begin{array}{c} 2555 \\ 2996 \end{array}$	$2159 \\ 2599$	$\frac{2643}{3084}$	$2247 \\ 2687 \\ 3128$	44
9871 72 73 74 75	4051 4491 4931	$\begin{array}{c} 4095 \\ 4535 \end{array}$	5019	$\begin{array}{c} 4183 \\ 4623 \\ 5063 \end{array}$	$\begin{array}{c} 4227 \\ 4667 \\ 5107 \end{array}$	4271 4711 5151	3875 4315 4755 5195 5635	5239	$\begin{array}{c} 4403 \\ 4843 \\ 5283 \end{array}$		1 4 2 9 3 13 4 18 5 22
76 77 78 79 80	$6251 \\ 6690 \\ 7130$	$\begin{array}{c} 6295 \\ 6734 \end{array}$	$\begin{array}{c} 6778 \\ 7218 \end{array}$	$\begin{array}{c} 6382 \\ 6822 \\ 7262 \end{array}$	$6426 \\ 6866 \\ 7306$	$\begin{array}{c} 6470 \\ 6910 \\ -7350 \end{array}$	6075 6514 6954 7394 7833	$6998 \\ 7438$	6602	$6207 \\ 6646 \\ 7086 \\ 7525 \\ 7965$	6 26 7 31 8 35 9 40
9881 82 83 84 85	8448 8888 9327	8053 8492 8932 9371 9811	$8536 \\ 8976 \\ 9415$	$\begin{array}{c} 8580 \\ 9020 \end{array}$	$\begin{array}{c} 9064 \\ 9503 \end{array}$	8229 8668 9108 9547 9986	$\begin{array}{c} 8712 \\ 9152 \end{array}$	8317 8756 9196 9635 0074	9239	$8844 \\ 9283 \\ 9723$	
86 87 88 89 90	$1085 \\ 1524$	$\begin{array}{c} 0250 \\ 0689 \\ 1128 \\ 1568 \\ 2007 \end{array}$	$0733 \\ 1172 \\ 1612$	$0777 \\ 1216 \\ 1656$	$0821 \\ 1260 \\ 1699$	$0865 \\ 1304 \\ 1743$	$0470 \\ 0909 \\ 1348 \\ 1787 \\ 2226$	$0953 \\ 1392 \\ 1831$	0997 1436 1875	$1041 \\ 1480 \\ 1919$	
9891 92 93 94 95	$\frac{2841}{3280}$	2446 2885 3324 3763 4202	$\begin{array}{c} 2929 \\ 3368 \end{array}$	$\begin{array}{c} 2973 \\ 3412 \end{array}$	3017	3061	2665 3104 3543 3982 4421	3148	3192	$3236 \\ 3675 \\ 4114$	
96 97 98 99	5913	$5080 \\ 5518 \\ 5957$		6045	6089	$5255 \\ 5694 \\ 6133$	4860 5299 5738 6176 6615	$5343 \\ 5782 \\ 6220$	5387 5825 6264	$5431 \\ 5869 \\ 6308$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9900 01 02 03 04 05	7668 8106		6878 7317 7755 8194	6922 7361 7799 8238	6966 7405 7843 8282	7010 7449 7887 8326	7054 7492 7931 8369	7098, 7536 7975 8413	7142 7580 8019 8457	7185 7624 8062 8501	
06 07 08 09 10	$\begin{array}{r} 9422 \\ 9860 \\ 9960298 \end{array}$	9027 9465 9904 0342 0780	9509 9948 0386	9553 9991 0430	$\frac{9597}{0035} \\ 0474$	$\begin{array}{r} 9641 \\ \hline 0079 \\ 0517 \end{array}$	$\frac{9685}{0123}$ 0561	$\begin{array}{c} 9290 \\ \underline{9728} \\ \overline{0167} \\ 0605 \\ 1043 \end{array}$	$\frac{9772}{0211}$ 0649	$\frac{9816}{0254}$ 0693	
9911 12 13 14 15	1613 2051 2489	$1219 \\ 1657 \\ 2095 \\ 2533 \\ 2971$	$1701 \\ 2139 \\ 2577$	1744 2182 2621	$\begin{array}{c} 1788 \\ 2226 \\ 2664 \end{array}$	$\frac{2270}{2708}$	1876 2314 2752	1920	1963 2402 2840	2007 2445 2883	
16 17 18 19 20	3803 4241 4679	3409 3847 4285 4723 5161	3891 4329 4766	$3935 \\ 4372 \\ 4810$	3978 4416 4854	$\frac{4022}{4460}$ $\frac{4898}{4898}$	$4066 \\ 4504 \\ 4942$	3672 4110 4548 4985 5423	$4153 \\ 4591 \\ 5029$	4197 4635 5073	44
9921 22 23 24 25	5992 6430 6868	5598 6036 6474 6911 7349	$6080 \\ 6517 \\ 6955$	$6124 \\ 6561 \\ 6999$	$6167 \\ 6605 \\ 7043$	6211 6649 7086	$6255 \\ 6693 \\ 7130$	5861 6299 6736 7174 7611	$6342 \\ 6780 \\ 7218$	6386 6824 7261	1 4 2 9 3 13 4 18 5 22 6 26
26 27 28 29 30	8180 8618 9055	7786 8224 8661 9099 9536	8268 8705 9143	8311 8749 9186	8355 8793 9230	8399 8836	8443 8880 9318	8924 9361	8530 8968 9405	8574 9011 9449	7° 31 8 35 9 40
9931 32 33 34 35	$9970367\\0804\\1242$	9974 0411 0848 1285 1722	$0455 \\ 0892 \\ 1329$	$0498 \\ 0936 \\ 1373$	$0542 \\ 0979 \\ 1416$	0586 1023 1460	$0629 \\ 1067 \\ 1504$	0236 0673 1110 1548 1985	0717 1154 1591	$0761 \\ 1198 \\ 1635$	
36 37 38 39 40	2553 2990 3427	2160 2597 3034 3471 3908	2640 3077 3514	2684 3121 3558	$2728 \\ 3165 \\ 3602$	2771 3208	2815 3252 3689	2422 2859 3296 3733 4170	2903 3340 3776	2946 3383 3820	
9941 42 43 44 45	4738 5174 5611	4344 4781 5218 5655 6092	4825 5262 5699	$4869 \\ 5305 \\ 5742$	4912 5349 5786	4956 5393 583 0	5000 5436 5873	4607 5043 5480 5917 6354	5087 5524 5961	5131 5567 6004	
46 47 48 49 9950	6921 7358	7401 7838	7009 7445 7882	7052 7489 7925	7096 7532 7969	7139 7576 8013	7183 7620 8056	6790 7227 7663 8100 8536	7270 7707 8144	7314 7751 8187	

										_	1212
No.	0	1	2	3	4	5	6	7	8	9	Diff.
9950 51 52 53 54 55	$9104 \\ 9540$	$\begin{array}{c} 8711 \\ 9147 \\ \underline{9584} \\ \overline{0020} \end{array}$	$\begin{array}{c} 8755 \\ 9191 \\ \underline{9627} \\ \overline{0064} \end{array}$	$\begin{array}{c} 8798 \\ 9235 \\ \underline{9671} \\ \overline{0107} \end{array}$	$\begin{array}{c} 8842 \\ 9278 \\ \underline{9715} \\ \overline{0151} \end{array}$	$\begin{array}{r} 8885 \\ 9322 \\ \underline{9758} \\ \overline{0195} \end{array}$	$\begin{array}{c} 8929 \\ 9365 \\ \underline{9802} \\ 0238 \end{array}$	8536 8973 9409 9845 0282 0718	$\begin{array}{c} 9016 \\ 9453 \\ \underline{9889} \\ 0325 \end{array}$	$\begin{array}{c} 9060 \\ 9496 \\ \underline{9933} \\ \overline{0369} \end{array}$	
56 57 58 59 60	1285 1721 2157	$1329 \\ 1765 \\ 2201$	$\begin{array}{c} 0936 \\ 1372 \\ 1808 \\ 2245 \\ 2681 \end{array}$	$\begin{array}{c} 1416 \\ 1852 \\ 2288 \end{array}$	$1460 \\ 1896 \\ 2332$	$1503 \\ 1939$	$\begin{array}{c} 1547 \\ 1983 \\ 2419 \end{array}$	1154 1590 2026 2463 2899	$\begin{array}{c} 1634 \\ 2070 \\ 2506 \end{array}$	$1678 \\ 2114 \\ 2550$	
9961 62 63 64 65	3465 3901 4337 4773	3509 3945 4381 4817	3117 3553 3988 4424 4860	3596 4032 4468 4904	3640 4076 4512 4947	$3683 \\ 4119 \\ 4555$	$3727 \\ 4163 \\ 4599$	3335 3771 4206 4642 5078	$3814 \\ 4250 \\ 4686$	$3858 \\ 4294 \\ 4729$	
66 67 68 69 70	5645 6080 6516 6952	5688 6124 6560 6995	5296 5732 6167 6603 7039	5775 6211 6647 7082	5819 6255 6690 7126	$6298 \\ 6734 \\ 7169$	5906 6342 6777 7213	5950 6385 6821 7256	5993 6429 6864 7300	6037 6472 6908 7344	43
9971 72 73 74 75	7823 8258 8694	7866 8302 8737	7474 7910 8345 8781 9216	7953 8389 8824	7997 8432 8868	8040 8476 8911	8084 8519 8955	7692 8128 8563 8998 9434	8171 8607 9042	8215 8650 9086	1 4 2 9 3 13 4 17 5 22 6 26
*76 77 78 79 80	999 0000 0435 0870	$0043 \\ 0479 \\ 0914$	9651 0087 0522 0957 1392	$0130 \\ 0566 \\ 1001$	$0174 \\ 0609 \\ 1044$	$0217 \\ 0653 \\ 1088$	$0261 \\ 0696 \\ 1131$	9869 0304 0740 1175 1610	$\begin{array}{c} 0348 \\ 0783 \\ 1218 \end{array}$	$\begin{array}{c} 0391 \\ 0827 \\ 1262 \end{array}$	7 30 8 34 9 39
9981 82 83 84 85	2176 2611 3046	2219 2654 3089	1828 2263 2698 3133 3568	$2306 \\ 2741 \\ 3176$	2350 2785 3220	2393 2828 3263 3698	2437 2872 3307 3742	2045 2480 2915 3350 3785	2524 2959 3394 3829	2567 3002 3437 3872	
86 87 88 89 90	4350 4785 5220	4394 4829 5264	4003 4437 4872 5307 5742	$4481 \\ 4916 \\ 5351$	4524 4959 5394	$4568 \\ 5003 \\ 5438$	4611 5046 5481	4220 4655 5090 5524 5959	$4698 \\ 5133 \\ 5568$	$4742 \\ 5177 \\ 5611$	
9991 92 93 94 95	6524 6959 -7393 7828	6568 7002 7437 7871	6177 6611 7046 7480 7915	6655 7089 7524 7958	6698 7133 7567 8002	6742 7176 7611 8045	6785 7220 7654 8089	6394 6828 7263 7698 8132	6872 7307 7741 8176	6915 7350 7785 8219	A CONTRACTOR OF
96 97 98 99 10000	8697 9131 9566	8740 9175 9609	9653	$8827 \\ 9262 \\ 9696$	8871 9305 9739	8914 9349 9783	8958 9392 9826	8567 9001 9435 9870 3040	9044 9479 9913	9088 9522 9957	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10000		$0000 \\ 4343$	$0434 \\ 4777$			$\begin{array}{c} 1737 \\ 6080 \end{array}$	$\begin{array}{c} 2171 \\ 6514 \end{array}$	$\begin{array}{c} 2606 \\ 6948 \end{array}$	$\frac{3040}{7382}$	3474 7817	$\begin{array}{c} 3908 \\ 8251 \end{array}$	
02			9119				$\overline{0856}$			$\overline{2159}$		
03 04	0001	$\begin{array}{c} 3027 \\ 7368 \end{array}$		$\frac{3895}{8237}$	4329 8671	4764	$5198 \\ 9539$	$\frac{5632}{9973}$	$\frac{6066}{0407}$	$\frac{6500}{0841}$	$\frac{6934}{1275}$	435
05			2143		3012	3446	3880			5182	5616	1 44 2 87
06		6050	6484	6918	7352	7786	8220	8654	9088	9522	9956	3 131
07			0824		1692		2560	2994	3428	3862	4296	4 174 5 218
08	(5164				6899	$\frac{7333}{1070}$	$\frac{7767}{2100}$		8635	6 261
09 10	4		$9503 \\ 3842$	$\frac{9937}{4275}$	4709	$0805 \\ 5143$	5577	1672 6011	6445	$\frac{2540}{6878}$	7312	7 305 8 348
10011			8180			9481	9915		$\frac{0783}{0783}$		$\frac{1650}{1650}$	9 392
12			2518	2952	3385	3819	4253	4687			5988	
13			6855							9891		
14	0006			1626			2927			4228		
15	1		5529		6396		7264	7697		8564		434
$\frac{16}{17}$	0007	9432	9865	$\frac{\overline{0299}}{4634}$	5068	$\frac{\overline{1166}}{5502}$	$\frac{1600}{5935}$	$\frac{2033}{6369}$	$\frac{\overline{2467}}{6802}$	$\frac{2900}{7236}$	$\frac{3334}{7669}$	1 43 2 87
18			8536					$\frac{0309}{0704}$			$\frac{7009}{2004}$	3 130
19	0008	2438	2871	3305	3738	4172	4605	5038	5472	5905		4 174 5 217
20		6772	7206	7639	8072	8506	8939	9373	9806	$\overline{0239}$	$\overline{0673}$	6 260
10021			1540			2840	3273		4140		5006	7 304 8 347
$\frac{22}{23}$			$\frac{5873}{0206}$			$\frac{7173}{1506}$		8040		$\frac{8906}{2020}$	$\frac{9340}{9679}$	9 391
$\frac{25}{24}$	1		4539		1073 5406	$\frac{1506}{5839}$	1939 6272		$\frac{2806}{7138}$	3239 7572	3673	
25			8871				$\frac{0212}{0604}$			$\frac{1904}{1904}$	$\frac{3003}{2337}$	
26	0011	2770	3203	3636	4070	4503	4936	5369	5802	6235	6668	
27	1		7535				9267		$\overline{0133}$		$\overline{0999}$	433
28 29	0012			2299		3165		4031			5330	1 43 2 87
30	0013		$6196 \\ 0526$	0959		1825		$8361 \\ 2691$			9660 3990	3 130
10031		4423	4856			6155	6588	7021	7454	7887	8319	4 173 5 217
32			9185					$\frac{1350}{1350}$		$\frac{1}{2215}$	$\frac{3613}{2648}$	6 260
33			3514			4813		5678		6544		7 303
$\frac{34}{35}$		7410	7842 2170			$9141 \\ 3469$	$9574 \\ 3902$		0439	0872	1305	8 346 9 390
								4334			5633	
$\frac{36}{37}$	0016		6498		7363 1690	7796	8229 2556	8662 2988	$9094 \\ 3421$	9527 3854	9960	
38			5152		6017	6450		7315	7748	8180	8613	
39			9478		$\overline{0343}$	$\overline{0776}$	$\overline{1208}$	$\overline{1641}$		$\overline{2506}$	$\overline{2939}$	432
40	0017	3371	3804		4669	5102	5534				7264	1 43 2 86
10041		7697			8994	-	9859				1589	3 130
42			$\frac{2454}{6779}$		3319		8508			5481 9806		4 173
44			1103		1968			3265			4562	5 216 6 259
45			5426		6291	6723	7156	7588		8453	8885	7 302
46		9317	9750		$\overline{0}\overline{6}\overline{14}$		$\overline{1479}$	$\overline{1911}$	$\overline{2343}$	$\overline{2776}$	$\overline{3208}$	8 346 9 389
47	0020		4072	4505		5369	5801			7098	7530	000
48 49			$8395 \\ 2717$	8827		9691 4013	$0124 \\ 4445$	$\frac{0556}{4878}$		$\frac{1420}{5742}$	1852	
10050			7038							$\frac{5742}{0063}$	$\frac{6174}{0495}$	
	0022											

	ı										10000
No.	0	1	2	3	4	5	6	7	8	9	Diff.
10050 51 52		$\begin{array}{c} 1359 \\ 5680 \end{array}$	$\begin{array}{c} 1791 \\ 6112 \end{array}$	$\begin{array}{c} 2224 \\ 6544 \end{array}$	$\begin{array}{c} 2656 \\ 6976 \end{array}$	8767 3088 7408	$\begin{array}{c} 3520 \\ 7840 \end{array}$	8272	4384 8704	$\frac{4816}{9136}$	
53 54 55 56	0023 3888 8207	0000 4320 8639	$\begin{array}{c} 4752 \\ 9071 \end{array}$	9503		$\frac{1728}{6048} \\ \frac{6048}{0367}$	$\frac{6480}{0799}$	$\frac{2592}{6912} \\ \frac{6912}{1231}$	$\frac{7344}{1663}$	$\frac{3456}{7776}$ $\frac{2095}{2095}$	433 1 43 2 87 3 130
57 58 59 60	$00251163\\5481$	$ \begin{array}{r} 2958 \\ 7277 \\ 1595 \\ \underline{5913} \\ 0230 \end{array} $	3390 7709 2027 6344 0661		$\begin{array}{c} 4254 \\ 8572 \\ 2890 \\ \hline 7208 \\ \hline 1525 \end{array}$	$ \begin{array}{r} 4686 \\ 9004 \\ 3322 \\ \underline{7639} \\ 1957 \end{array} $	9436	5549 9868 4186 8503 $\overline{2820}$	$\begin{array}{r} 5981 \\ \hline 0300 \\ 4617 \\ \hline 8935 \\ \hline 3252 \\ \end{array}$		4 173 5 217 6 260 7 303 8 346
10061 62 63 64	$00264115\\8431\\00272747\\7063$	4547 8863 3179 7494	4978 9295 3610 7926	5410 9726 4042 8357	$\begin{array}{c} 5842 \\ \hline 0158 \\ 4474 \\ 8789 \end{array}$	$\begin{array}{r} 6273 \\ \hline 0589 \\ 4905 \\ 9220 \end{array}$	$\begin{array}{r} 6705 \\ \hline 1021 \\ 5337 \\ 9652 \end{array}$	$\begin{array}{c} 7136 \\ \overline{1453} \\ \underline{5768} \\ \overline{0083} \end{array}$	$\begin{array}{c} 7568 \\ \hline 1884 \\ 6200 \\ \hline 0515 \end{array}$	$\begin{array}{c} 8000 \\ \hline 2316 \\ 6631 \\ \hline 0946 \end{array}$	9 390
65 66 67 68 69	$00290007\\4321$	6124	$6555 \\ 0870 \\ 5183$	6987		$ \begin{array}{r} 3535 \\ 7850 \\ 2164 \\ \underline{6477} \\ \overline{0791} \end{array} $			4830 9144 3458 7771 2084	$\begin{array}{c} 9575 \\ 3889 \\ 8203 \end{array}$	432 1 43 2 86 3 130 4 173 5 216
70 10071 72 73 74 75	00311572	$7691 \\ 2003 \\ 6315$	$8122 \\ 2434$	2865 7177 1488	4672 8984 3296 7608 1919 6230		2781	8901	5021	$\begin{array}{c} 9764 \\ 4074 \end{array}$	6 259 7 302 8 346 9 389
76 77 78 79 80	$\begin{array}{r} 8816 \\ 00333126 \\ 7435 \\ 00341745 \end{array}$	$\begin{array}{c} 9247 \\ 3557 \\ 7866 \end{array}$	9678 3988 8297 2606		$ \begin{array}{r} 0230 \\ \hline 0540 \\ 4850 \\ 9159 \\ 3468 \\ 7777 \\ \end{array} $	$\begin{array}{c} \overline{0971} \\ 5281 \end{array}$	$\frac{\overline{1402}}{5712}\\ \overline{0021}$	$\begin{array}{c} \overline{1833} \\ 6143 \end{array}$	$\begin{array}{c} \overline{2}\overline{2}\overline{64} \\ \underline{6574} \\ \overline{0883} \end{array}$	$\begin{array}{r} \overline{2695} \\ \overline{7004} \\ \overline{1314} \\ 5622 \\ 9931 \\ \end{array}$	431 1 43 2 86 3 129 4 172
10081 82 83 84 85	8977 0036 3284	$\begin{array}{c} 5100 \\ 9407 \end{array}$	5531 9838 4145	$\overline{0269}$	6392	$\begin{array}{c} 2515 \\ 6823 \\ \hline 1130 \\ 5437 \\ 9743 \end{array}$	$\begin{array}{c} 2946 \\ \underline{7254} \\ 1561 \\ \underline{5868} \\ 0174 \end{array}$		$\begin{array}{c} 3808 \\ \underline{8115} \\ \underline{2422} \\ \underline{6729} \\ \underline{1035} \end{array}$	$\begin{array}{r} 4239 \\ \underline{8546} \\ \underline{2853} \\ \underline{7160} \\ \underline{1466} \end{array}$	5 216 6 259 7 302 8 345 9 388
86 87 88 89 90	0038 0507 4812	6633	1368	$\begin{array}{c} 3188 \\ 7494 \\ 1799 \\ \underline{6104} \\ \overline{0408} \end{array}$	6534	$\begin{array}{c} 4049 \\ 8355 \\ 2660 \\ \underline{6964} \\ 1269 \end{array}$	$8785 \\ 3090 \\ 7395$	$\begin{array}{c} 4910 \\ 9216 \\ 3521 \\ \underline{7825} \\ \underline{2129} \end{array}$	$\begin{array}{c} 9646 \\ 3951 \\ 8256 \end{array}$	$\begin{array}{c} \overline{0077} \\ 4382 \end{array}$	430 1 43
10091 92 93 94 95	$\begin{array}{r} 00393421 \\ 7724 \\ 00402027 \\ 6330 \\ 00410632 \end{array}$	$\begin{array}{c} 2458 \\ 6760 \end{array}$	$\begin{array}{c} 2888 \\ 7191 \end{array}$		5142 9445 3748 8051 2353	5572 9876 4179 8481 2783	$\begin{array}{c} \overline{0306} \\ 4609 \\ 8911 \end{array}$	$\begin{array}{c} 6433 \\ \hline 0736 \\ 5039 \\ 9342 \\ 3644 \end{array}$	$\overline{1167}$ 5470 9772		2 86 3 129 4 172 5 215 6 258 7 301
96 97 98 99	4934 9236 0042 3537 7837	$\begin{array}{c} 9666 \\ 3967 \\ 8267 \end{array}$	$\begin{array}{c} 4397 \\ 8697 \end{array}$	$\begin{array}{r} 6225 \\ \hline 0526 \\ 4827 \\ 9127 \\ 2427 \end{array}$	$\frac{6655}{0956}$ 5257 9557	7085 1386 5687 9987	$\begin{array}{r} 7515 \\ \hline 1816 \\ 6117 \\ \hline 0417 \end{array}$	$\begin{array}{r} 7945 \\ \hline 2246 \\ 6547 \\ \hline 0847 \end{array}$	$\begin{array}{r} 8375 \\ \hline 2676 \\ 6977 \\ \hline 1277 \end{array}$	$\frac{8806}{3107} \\ \frac{7407}{1707}$	8 344 9 387
10100	0043 2137	2567	2997	3427	3857	4287	4717	5147	5577	6007	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10100 01 02 03 04 05	0044	0736 5035 9334	6867 1166 5465 9764	$\begin{array}{c} 2997 \\ 7297 \\ 1596 \\ \underline{5895} \\ 0193 \\ 4491 \end{array}$	$2026 \\ 6325 \\ \hline 0623$	$8157 \\ 2456 \\ 6755 \\ \hline 1053$	1483	$\begin{array}{c} 9017 \\ 3316 \\ \underline{7614} \\ \underline{1913} \end{array}$	$\frac{3746}{8044}$	9877 4176 8474	$\overline{3202}$	430
06 07 08 09 10	0046	7929 2227 6523 0820	8359 2656 6953 1249	8789 3086	9219 3516 7812 2108	9648 3945 8242 2538	$\overline{0078} \\ 4375 \\ 8672 \\ 2968$	0508 4805 9101 3397	$\overline{0937}$ 5234 9531 3827	1367 5664 9960	$\begin{array}{r} \overline{1797} \\ 6094 \\ \overline{0390} \\ 4686 \end{array}$	2 86 3 129 4 172 5 215 6 258 7 301 8 344
10111 12 13 14 15	0048 0049	3706 8001 2295 6589	4136 8430 2724 7018	0270 4565 8860 3154 7447	4995 9289 3583 7877	1129 5424 9718 4012 8306	$\begin{array}{r} 5853 \\ \hline 0148 \\ 4442 \\ 8735 \end{array}$	$\begin{array}{r} 6283 \\ \hline 0577 \\ 4871 \\ 9165 \end{array}$	9594	$\begin{array}{r} 7142 \\ \hline 1436 \\ 5730 \\ \hline 0023 \end{array}$	$\begin{array}{r} 7571 \\ \hline 1866 \\ 6159 \\ \hline 0453 \end{array}$	9 387
16 17 18 19 20	0051	5175 9468 3760 8051	5604 9897 4189 8480		$\begin{array}{r} 6463 \\ \hline 0755 \\ 5047 \\ 9339 \end{array}$	1184 5476 9768	$\tfrac{5905}{0197}$	$ \begin{array}{r} 3458 \\ 7751 \\ \hline 2043 \\ \hline 6335 \\ \hline 0626 \\ \end{array} $	$\begin{array}{r} 8180 \\ \hline 2472 \\ 6764 \\ \hline 1055 \end{array}$	$\frac{8609}{2901}$ $\frac{7193}{1484}$	$\frac{3330}{7622} \\ \frac{7622}{1913}$	1 43 2 86 3 129 4 172 5 215 6 257
22 23 24 25	0053	6633 0924 5214 9503	7062 1353 5643 9932	$\tfrac{6072}{0361}$	$7920 \\ 2211 \\ \underline{6501} \\ \overline{0790}$	$\begin{array}{c} 8350 \\ 2640 \\ \underline{6930} \\ 1219 \end{array}$	$8779 \\ 3069 \\ 7358 \\ \hline 1648$	$\frac{3498}{7787} \\ \hline 2077$	$9637 \\ 3927 \\ \underline{8216} \\ 2506$	$ \begin{array}{r} \hline 0066 \\ 4356 \\ \underline{8645} \\ 2935 \end{array} $	$\frac{6204}{0495}$ 4785 $\frac{9074}{3363}$	7 300 8 343 9 386
27 28 29 30	0055	8081 2369 6657	$8510 \\ 2798 \\ 7086$	1802	9368 3656 7943 2231	9796 4084 8372 2659	8801 3088	0654 4942 9230 3517	5371 9658 3945		$\begin{array}{c} \overline{1940} \\ 6228 \\ \overline{0516} \\ 4803 \end{array}$	428 1 43 2 86 3 128 4 171
34	0057	3804 8090	$9947 \\ 4233$	0375 4661 8947	$\begin{array}{c} 6518 \\ \hline 0804 \\ 5090 \\ 9376 \\ 3661 \end{array}$	$\overline{1233}$ 5519 9804	$\frac{1661}{5947}$	$\begin{array}{r} 7804 \\ \hline 2090 \\ 6376 \\ \hline 0661 \\ 4946 \end{array}$	$\begin{array}{c} \overline{2518} \\ \underline{6804} \\ \overline{1090} \end{array}$	7233	$\begin{array}{r} 9089 \\ \hline 3376 \\ 7661 \\ \hline 1947 \\ 6232 \\ \end{array}$	5 214 6 257 7 300 8 342 9 385
38 39	0059	$0945 \\ 5229 \\ 9512$	1373 5657 9941	$7517 \\ 1801 \\ 6085 \\ \hline 0369 \\ 4652$	$\frac{2230}{6514} \\ \hline 0797$	$\begin{array}{c} 2658 \\ \underline{6942} \\ 1226 \end{array}$	8802 3087 7371 1654 5937	$\begin{array}{c} \overline{2082} \\ 6365 \end{array}$	$3944 \\ 8227 \\ \hline 2511 \\ 6793$	8656	$\begin{array}{c} 0516 \\ 4800 \\ 9084 \\ \hline 3367 \\ 7650 \\ \end{array}$	427
43	0061 0062	2361 6643 0924	2789 7071 1352	8935 3217 7499 1780 6061	$7927 \\ 2208$	4073 8355 2637	4502 8783 3065	4930	$\begin{array}{c} 9640 \\ 3921 \end{array}$	$\begin{array}{c} \overline{0068} \\ 4349 \end{array}$	$\begin{array}{r} 1932 \\ \underline{6214} \\ 0496 \\ 4777 \\ 9058 \end{array}$	2 85 3 128 4 171 5 214 6 256 7 299
48	0063	3766 8046 2325	4194 8474 2753	0342 4622 8902 3181 7460	5050 9330 3609	9758 4037	$\frac{5906}{0186}$ 4465	$ \begin{array}{r} \hline 2054 \\ 6334 \\ \hline 0614 \\ 4893 \\ 9171 \end{array} $	$\begin{array}{c} 6762 \\ 1041 \\ 5321 \end{array}$	$\frac{7190}{1469}$ 5748		8 342 9 384

No.	0	1	2	3	4	5	6	7	8	9	Diff
10150 51	0064 66 0 4 0065 0883					$8744 \\ 3022$	$9171 \\ 3450$	9599 3878	$\begin{array}{c} \overline{0027} \\ 4305 \end{array}$	$\begin{array}{r} \overline{0455} \\ 4733 \end{array}$	
52 53	$5161 \\ 9439$		6016	6444	$\frac{6872}{1150}$	$\frac{7300}{1577}$	$\frac{7728}{2005}$	$\frac{8155}{2433}$	$\frac{8583}{2860}$	$\frac{9011}{3288}$	428
54 55	0066 3716 7993	$\begin{array}{c} 4144 \\ 8420 \end{array}$	$\begin{array}{c} 4571 \\ 8848 \end{array}$	$\frac{4999}{9276}$	$\begin{array}{c} 5427 \\ 9703 \end{array}$	$\tfrac{5854}{0131}$	$\frac{6282}{0559}$	$\frac{6710}{0986}$	$\frac{7137}{1414}$	$\frac{7565}{1842}$	1 4 2 8
56 57	$00672269\\6545$			$\begin{array}{c} 3552 \\ 7828 \end{array}$	$\frac{3980}{8256}$	$\begin{array}{c} 4407 \\ 8683 \end{array}$	$\begin{array}{c} 4835 \\ 9111 \end{array}$	$\begin{array}{c} 5262 \\ 9538 \end{array}$	$\begin{array}{c} 5690 \\ 9966 \end{array}$	$\overline{0393}$	3 12 4 17 5 21
58 59 60	0068 0821 5096 9371	$\bf 5524$	$\frac{1676}{5951}$ $\frac{5951}{0226}$	$\frac{2103}{6379}$ $\frac{6379}{0653}$	$\frac{2531}{6806}$ $\frac{6806}{1081}$	$\frac{2958}{7233}$ $\frac{71508}{1508}$	$\frac{3386}{7661}$ $\frac{7661}{1935}$	$\frac{3814}{8088}$ $\frac{2363}{2363}$	$\frac{4241}{8516}$ $\frac{8516}{2790}$		6 25 7 30
.0161 62	0069 3645 7919	4073 8346	4500 8774	4927 9201	5355 9629	$\frac{5782}{0056}$	$\frac{6210}{0483}$	$\frac{6637}{0911}$	$\frac{7064}{1338}$	7492	8 3 9 3
63 64	00702193			3475 7747	3902 8175	4329 8602	4756 9029		5611 9884	6038	
65	0071 0738	1166		2020 6292	2447 6719	2874 7146	3302 7574	3729 8001	4156 8428	4583	42
67 68		9710	$\overline{0137}$	$\overline{0564}$	$\frac{0115}{0991}$ 5262	$\frac{1110}{1418}$ 5689	$\frac{1845}{6116}$	$\overline{2272}$	$\frac{5125}{2700}$ 6971	$\overline{31}\overline{27}$	3 1
69 70	$\begin{array}{r} 7825 \\ 00732095 \end{array}$	$\begin{array}{c} 8252 \\ 2522 \end{array}$		$\begin{array}{c} 9106 \\ 3376 \end{array}$	$\begin{array}{c} 9533 \\ 3803 \end{array}$	$9960 \\ 4230$	$\begin{array}{c} \overline{0387} \\ 4657 \end{array}$	$\frac{\overline{0814}}{5084}$	$\frac{\overline{1241}}{5511}$	$\frac{\overline{1668}}{5938}$	5 2 6 2
$0171 \\ 72$	$\begin{matrix} 6365\\00740635\end{matrix}$	1062	1489	$\begin{array}{c} 7646 \\ 1916 \end{array}$	$8073 \\ 2343$	$\begin{array}{c} 8500 \\ 2770 \end{array}$	$8927 \\ 3197$		4051	$\begin{array}{c} \overline{0208} \\ 4478 \end{array}$	7 2 8 3
73 74	$\begin{array}{r} 4904 \\ 9173 \\ 0075 3442 \end{array}$	9600	$\frac{5758}{0027} \\ 4295$	$\frac{6185}{0454}$ 4722	$\frac{6612}{0881}$ 5149	$\frac{7039}{1308}$ 5576	$\frac{7466}{1734}$ 6003	$\frac{7893}{2161}$ 6429	$\frac{8320}{2588}$ 6856	$\frac{8746}{3015}$ 7283	9 3
75 76 77	7710 0076 1977	8137 2404	8563	8990 3258	9417 3684	9844 4111	$\frac{\overline{0270}}{4538}$		$\frac{1124}{5391}$	$\frac{1263}{1551}$ 5818	42
78 79		6671	7098	7525	7951	8378 2645	8805	9231		$\overline{0085}$	1 2
80 0181	4778	5204 9470	5631	6058	$\frac{6484}{0750}$	$\frac{6911}{1177}$	7337		8191 2456		3 1 4 1
82 83	00783309	3736 8001	4162	4589	5015 9280	$5442 \\ 9707$	$\frac{5868}{0133}$	$\frac{6295}{0560}$	$\frac{6721}{0986}$	$\frac{7148}{1413}$	5 23 6 24 7 29
84 85	$00791839\\6103$	$\begin{array}{c} 2266 \\ 6530 \end{array}$		$\begin{matrix} 3118 \\ 7383 \end{matrix}$	$\begin{array}{c} 3545 \\ 7809 \end{array}$	$3971 \\ 8235$		$\begin{array}{c} 4824 \\ 9088 \end{array}$	$\begin{array}{c} 5251 \\ 9514 \end{array}$		8 34
86 87	$00800367\\4631$	5057	$\bf 5483$	$\begin{array}{c} 1646 \\ 5910 \end{array}$	$\begin{array}{c} 2073 \\ 6336 \end{array}$	$\begin{array}{c} 2499 \\ 6762 \end{array}$	$\begin{array}{c} 2925 \\ 7188 \end{array}$	$\frac{3352}{7615}$	8041		
88 89	8894 0081 3156	3582		4435	$0599 \\ 4861$	$1025 \\ 5287$	5714	$\frac{1877}{6140}$		6992	42
90	00821680		2532	2959	9123 3385	3811	9976 4237	4663	$\frac{\overline{0828}}{5089}$		1 2 3 1
92 93	00830202		1055		1907	8072 2333	8498 2759	8924 3185	3611	9776 4037	4 1° 5 2°
94 95		4889 9149	9575		$\frac{6167}{0427}$	$\frac{6593}{0853}$	$\frac{7019}{1279}$	$\frac{7445}{1705}$	$\frac{7871}{2131}$		6 2: 7 2: 8 3
96 97	0084 2983 7242	7668		4260 8520			5538 9797	$\frac{5964}{0223}$	$\frac{6390}{0649}$	$\frac{6816}{1075}$	9 3
98 99	$\begin{bmatrix} 00851501 \\ 5759 \end{bmatrix}$	$1927 \\ 6185$		2778 7037		$\frac{3630}{7888}$	$4056 \\ 8314$	$\frac{4482}{8740}$	4908 9166	5333959591	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10200 01 02 03 04 05	0087	$\begin{array}{c} 8532 \\ 2789 \\ 7045 \end{array}$	0443 4700 8958 3214 7471 1726	5126 9383 3640 7896	1294 5552 9809 4066 8322 2578	5978	$\begin{array}{c} 2146 \\ \underline{6403} \\ 0660 \\ 4917 \\ 9173 \\ 3429 \end{array}$	9599	$\overline{0}\overline{0}\overline{2}\overline{4}$	$\begin{array}{c} 3423 \\ \underline{7681} \\ \underline{1937} \\ \underline{6194} \\ \underline{0450} \\ 4705 \end{array}$		426 1 43 2 85
06 07 08 09 10	0089	5556	$\begin{array}{r} 5982 \\ \hline 0237 \\ 4492 \\ 8746 \\ 3000 \end{array}$	$\begin{array}{c} 6407 \\ \hline 0662 \\ 4917 \\ 9171 \\ 3425 \end{array}$	$\begin{array}{r} 6833 \\ \hline 1088 \\ 5342 \\ 9597 \\ 3850 \end{array}$	$\begin{array}{c} 7258 \\ \hline 1513 \\ 5768 \\ \hline 0022 \\ 4276 \end{array}$	$\begin{array}{r} 7684 \\ \hline 1939 \\ 6193 \\ \hline 0447 \\ 4701 \end{array}$	$\begin{array}{r} 8109 \\ \hline 2364 \\ 6619 \\ \hline 0873 \\ 5126 \end{array}$	$\begin{array}{r} 8535 \\ \hline 2790 \\ \hline 7044 \\ \hline 1298 \\ 5552 \\ \end{array}$	$\begin{array}{r} 8960 \\ \hline 3215 \\ 7470 \\ \hline 1723 \\ 5977 \end{array}$	$\begin{array}{c} \overline{2149} \\ 6402 \end{array}$	3 128 4 170 5 213 6 256 7 298 8 341 9 383
10211 12 13 14 15		5333 9585 3837	$\begin{array}{c} 1506 \\ \underline{5758} \\ 0011 \\ 4262 \end{array}$	$\frac{6184}{0436} \\ 4687$	$\begin{array}{c} 2356 \\ \underline{6609} \\ \overline{0861} \\ 5113 \end{array}$	$\begin{array}{c} 2782 \\ 7034 \\ \hline 1286 \\ 5538 \end{array}$	$\begin{array}{c} 1711 \\ 5963 \end{array}$	9379 3632 7885 2136, 6388	$\begin{array}{c} \overline{2562} \\ 6813 \end{array}$	$\begin{array}{c} \overline{2987} \\ 7238 \end{array}$	$\frac{34\overline{12}}{7663}$	425
16 17 18 19 20 10221		2339 6590 0840 5090	2764 7015 1265 5515	1690	$\begin{array}{c} 2115 \\ 6364 \end{array}$	2540		0639 4890 9140 3390 7639 1888	5315 9565 3815	$ \begin{array}{r} 1489 \\ 5740 \\ 9990 \\ 4240 \\ 8489 \\ \hline 2738 \\ \end{array} $		2 88 3 128 4 170 5 213 6 255 7 298
22 23 24 25	0096	$\begin{array}{c} 2084 \\ 6332 \end{array}$	4013 8261 2509 6756	4437 8686 2934 7181	4862 9111 3358 7606	5287 9535 3783 8031	5712 9960 4208 8455	$\begin{array}{r} 6137 \\ \hline 0385 \\ 4633 \\ 8880 \end{array}$	$\begin{array}{r} 6562 \\ \hline 0810 \\ 5057 \\ 9305 \end{array}$	$\begin{array}{r} 6986 \\ \hline 1235 \\ 5482 \\ 9729 \end{array}$	$\begin{array}{r} 7411 \\ 1659 \\ 5907 \\ \hline 0154 \end{array}$	8 340 9 383
26 27 28 29 30	0098		5250 9497 3742 7988	$\begin{array}{c} 4167 \\ 8412 \end{array}$	$ \begin{array}{r} \hline 0346 \\ 4592 \\ 8837 \end{array} $	$5016 \\ 9261$	9686	$\tfrac{5865}{0110}$	$ \begin{array}{r} 3552 \\ 7798 \\ \hline 2044 \\ \hline 6290 \\ \hline 0535 \end{array} $	$ \begin{array}{r} 3976 \\ 8223 \\ \hline 2469 \\ \hline 6714 \\ \hline 0959 \end{array} $	$4401 \\ \underline{8647} \\ \underline{2893} \\ \underline{7139} \\ \underline{1384}$	424 1 42 2 88 3 127 4 170
10231 32 33 34 35	0100	6053 0297 4541 8785	$\frac{4966}{9209}$	6902 1146 5390 9633	$7326 \\ 1571 \\ \underline{5814} \\ 0058$	$\tfrac{6239}{0482}$	$ \begin{array}{r} 3931 \\ 8175 \\ 2419 \\ \underline{6663} \\ 0906 \end{array} $	$\begin{array}{c} 2844 \\ 7087 \\ \hline 1331 \end{array}$	$\begin{array}{c} 9024 \\ 3268 \\ \underline{7512} \\ 1755 \end{array}$	$\frac{3693}{7936}$ $\frac{2179}{2}$	$\begin{array}{c} 9873 \\ 4117 \\ \underline{8360} \\ \overline{2603} \end{array}$	5 212 6 254 7 297 8 339 9 382
36 37 38 39 40	0102	9996	$\frac{1937}{6178} \\ \hline 0420$	$\tfrac{6603}{0844}$	$\begin{array}{c} 8543 \\ 2785 \\ 7027 \\ \hline 1268 \end{array}$	4725 8967 3209 7451 1692	$\frac{3633}{7875}$ $\frac{2116}{2}$		4482	$\begin{array}{r} 6422 \\ \hline 0664 \\ 4906 \\ \underline{9147} \\ \hline 3388 \end{array}$	$\begin{array}{r} 6846 \\ \hline 1088 \\ 5330 \\ 9572 \\ \hline 3813 \\ \end{array}$	423 1 42 2 85
10241 42 43 44 45	0104	4237 8477 2717 6957 1196		$9325 \\ 3565 \\ 7805$		$\begin{array}{c} 5933 \\ \hline 0173 \\ 4413 \\ 8653 \\ 2892 \end{array}$	$\begin{array}{r} 6357 \\ \hline 0597 \\ 4837 \\ 9077 \\ 3316 \end{array}$	$\frac{\overline{1021}}{5261}$	$\begin{array}{c} 5685 \\ 9925 \end{array}$	$\begin{array}{r} 7629 \\ \hline 1869 \\ 6109 \\ \hline 0348 \\ 4587 \end{array}$	$\begin{array}{r} 8053 \\ \hline 2293 \\ 6533 \\ \hline 0772 \\ 5011 \\ \end{array}$	3 127 4 169 5 212 6 254 7 296 8 338
46 47 48 49 10250		$\begin{array}{c} 3912 \\ 8149 \end{array}$	$\begin{array}{c} 5859 \\ \hline 0097 \\ 4335 \\ 8573 \\ 2810 \\ \end{array}$	0521 4759 8997	$\begin{array}{c} 5183 \\ 9421 \end{array}$		$\begin{array}{c} 1793 \\ 6031 \\ \hline 0268 \end{array}$	$\begin{array}{c} 7978 \\ \hline 2217 \\ 6454 \\ \hline 0692 \\ 4929 \end{array}$	$\tfrac{6878}{1115}$	$\begin{array}{r} 8826 \\ \hline 3064 \\ 7302 \\ \hline 1539 \\ 5776 \end{array}$	$\frac{7726}{1963}$	9 381

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10250 51	0107 2383 6623			$\frac{3658}{7894}$	4081	$\frac{4505}{8742}$	$\frac{4929}{9165}$	$\frac{5352}{9589}$	$\frac{5776}{0013}$	$\frac{6200}{0436}$	
52	0108 0860		1707		2554		3401	3825	4249	4672	
53 54.		5 5519 L 9755	$\frac{5943}{0178}$	$\frac{6366}{0602}$	$\frac{6790}{1025}$	$\frac{7214}{1449}$	$\frac{7637}{1872}$	$\frac{8061}{2296}$	$\frac{8484}{2719}$	$\frac{8908}{3143}$	1 424
55	0109 356		4413		5260			6531			2 85
56	780	8225	8648	9072	9495	9918	0342	$\overline{0765}$	$\overline{1}\overline{1}\overline{8}\overline{9}$	$\overline{1612}$	3 127 4 170
57 58	0110 2030				3729			4999	5423	5846	5 212
59	6269 01110503			$7540 \\ 1773$	$7963 \\ 2196$	$8386 \\ 2620$	8810 3043	$9233 \\ 3466$	$9656 \\ 3889$	0080 43 13	6 254 7 297
60	4730	5159		6006	6429	$\boldsymbol{6852}$	7276	7699	8122	$\bf 8546$	8 339 9 389
10261	8969				$\overline{0662}$	$\overline{1085}$	$\overline{1508}$	$\overline{1931}$	$\overline{2355}$	$\overline{2778}$	3 30.
62 63	0112 320	l 3624 3 7856		$\frac{4471}{8702}$	$4894 \\ 9126$	$5317 \\ 9549$	$5740 \\ 9972$	$\frac{6163}{0395}$	$\frac{6587}{0818}$	$\frac{7010}{1241}$	
64	0113 166			2934	3357		4203	4626	5049		
65	589	6318	6742	7165	7588	8011	8434	885 7	9280		423
66	0114 0120			1395	1818	2241			3510		2 8
67 68	4350 8580	$\frac{6}{9}$		$\frac{5625}{9855}$	$\frac{6048}{0278}$	$\frac{6471}{0701}$	$\frac{6894}{1124}$	$\frac{7317}{1547}$	$\frac{7740}{1970}$	$\frac{8163}{2392}$	3 12
69	0115281	3238	3661	4084	4507	4930	5353	5776	6199	$\underline{6621}$	4 16 5 21
70		4 7467			8736	9159	9582	0004	0427	0850	6 25 7 29
$\begin{array}{c} 10271 \\ 72 \end{array}$	01161273 550		$\frac{2119}{6347}$	$2541 \\ 6769$	$\frac{2964}{7192}$	$\frac{3387}{7615}$	3810 8038	$4233 \\ 8461$	4655 8883	5078 9306	8 33
73	972		$\frac{0347}{0574}$	$\frac{0709}{0997}$	$\frac{7192}{1420}$	$\frac{7013}{1843}$	$\frac{3036}{2265}$	$\frac{3401}{2688}$	$\frac{3111}{3111}$		9 38
74	0117 395			5224	5647	$\frac{6070}{10000000000000000000000000000000000$		6915	$\frac{7338}{7534}$		
75	818			9451	9874		0719	1142	1564		ĺ
76 77	0118241 663			$\frac{3677}{7903}$	$\frac{4100}{8326}$	4523 8749	$4945 \\ 9171$	5368 9594	$\frac{5790}{0016}$		422
78	0119086	1 1284	1706	2129	2551	2974	3397	3819	4242	4664	1 4
79 80	508 931		$\frac{5932}{0156}$	$\frac{6354}{0579}$	$\tfrac{6777}{1001}$	$\frac{7199}{1424}$	$\frac{7622}{1846}$	$\frac{8044}{2269}$	$\frac{8467}{2691}$		3 12
10281	0120353				5226			6493		7338	4 16 5 21
82		0.3333 0.8182			9449	9872		$\frac{0433}{0717}$	$\frac{0313}{1139}$	$\frac{1561}{1561}$	6 25
83	0121 198				3673			4940			7 29 8 33
84 85	0122043	$egin{smallmatrix} 6629 \ 0.852 \end{smallmatrix}$		1696	$\begin{array}{c} 7896 \\ 2119 \end{array}$	$\begin{array}{c} 8318 \\ 2541 \end{array}$	$8741 \\ 2963$	$\frac{9163}{3385}$	$9585 \\ 3808$	$\begin{array}{c} 0007 \\ 4230 \end{array}$	9 38
86	465		-	5919		6763	7185	7607			
87		4 9296				$\overline{0985}$	$\overline{1407}$	$\overline{1829}$		$\overline{2673}$	
88 89	$0123309 \\ 731$		$3940 \\ 8161$		4784	$\frac{5206}{9427}$		$\frac{6050}{0271}$		$\frac{6895}{1115}$	42
90	0124 153					3648	4070		4914	5336	1 4
10291	575		6602		7446	7868		8712			3 12
92 93	$997 \\ 0125419$		0822	$\frac{1244}{5463}$		$\frac{\overline{2088}}{6307}$	$\frac{\overline{2510}}{6729}$				4 16 5 21
94	841			9682			$\frac{6729}{0948}$			$\frac{7994}{2213}$	6 25
95	0126263	5 3057	3479	3901	4322	4744	5166	5588	6010	6432	7 29 8 33
96	685					8962					9 37
97 98	$ \begin{array}{c} 0127107 \\ 528 \end{array} $		61315	•	$\frac{2758}{6976}$	$\frac{3180}{7397}$	$\frac{3602}{7819}$			•	
99	950		$\frac{0132}{0349}$			$\overline{1614}$	$\overline{2036}$	2458	2879	$\overline{3301}$	
10300	0128 372	2 4144	4566	4987	5409	5831	6252	6674	7096	7517	1

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10300 01 02 03 04 05	0129 0130	7939 2155 6370 0585	4144 8360 2576 6792 1006 5221	2998 7213 1428	9204 3419 7635 1849	$9625 \\ 3841$	$\begin{array}{c} \overline{0047} \\ 4262 \end{array}$		$\overline{0890}$ 5105 9321 3535	7096 1311 5527 9742 3957 8171	$\begin{array}{r} 7517 \\ \hline 1733 \\ 5948 \\ \hline 0164 \\ 4378 \\ 8592 \\ \end{array}$	422 1 42
06 07 08 09 10	0131 0132	9014 3228 7441 1654 5867	9435 3649 7862 2075 6288	9857 4070 8284 2497 6709	$\begin{array}{c} \overline{0278} \\ 4492 \\ 8705 \\ 2918 \\ 7130 \end{array}$	$ \begin{array}{r} \hline 0699 \\ 4913 \\ 9126 \\ 3339 \\ 7551 \end{array} $	1121 5334 9548 3760 7973	$ \begin{array}{r} \hline 1542 \\ 5756 \\ 9969 \\ 4182 \\ 8394 \end{array} $	$ \begin{array}{r} \hline 1964 \\ 6177 \\ \hline 0390 \\ 4603 \\ 8815 \end{array} $	2385 6598 0811 5024 9236	$ \begin{array}{r} \hline 2806 \\ 7020 \\ \hline 1233 \\ 5445 \\ 9657 \end{array} $	2 84 3 127 4 169 5 211 6 253 7 295 8 338
10311 12 13 14 15	0134	4290 8502 2713 6923	4712 8923 3134 7344		5554	1763 5975 0186 4397 8607 2817		$\begin{array}{c} 2606 \\ \underline{6817} \\ 1028 \\ 5239 \\ 9449 \\ 3659 \end{array}$	$\frac{7238}{1449}$ 5660	$ \begin{array}{r} 3448 \\ 7660 \\ \hline 1871 \\ \hline 6081 \\ \hline 0291 \\ 4501 \end{array} $	6502	9 380 421 1 42
17 18 19 20 10321	0136	5343 9552 3761 7970	$\begin{array}{c} 5764 \\ 9973 \end{array}$	6185	$\tfrac{6606}{0815}$	$\begin{array}{c} 7027 \\ \hline 1236 \\ 5445 \\ 9653 \end{array}$	$ \begin{array}{r} 7448 \\ \hline 1657 \\ \hline 0074 \\ \hline 4282 \end{array} $	$\begin{array}{r} 7869 \\ \hline 2078 \\ 6286 \\ \hline 0495 \end{array}$	$\frac{8290}{2499}$ $\frac{6707}{0915}$	$\begin{array}{r} 8711 \\ \hline 2919 \\ \hline 7128 \\ \hline 1336 \end{array}$	$\begin{array}{r} 9131 \\ \hline 3340 \\ 7549 \\ \hline 1757 \\ 5965 \\ \end{array}$	2 84 3 126 4 168 5 211 6 253 7 295
22 23 24 25 26	0138 0139	0593 4800 9006 3212	$5220 \\ 9427 \\ 3633$	1434 5641 9847 4053	$\begin{array}{c} \overline{0268} \\ 4474 \end{array}$	4894	$\begin{array}{c} 2696 \\ \underline{6903} \\ 1109 \\ 5315 \end{array}$	$\frac{\overline{1530}}{5735}$	$ \begin{array}{r} 3538 \\ 7744 \\ \hline 1950 \\ 6156 \end{array} $	$3958 \\ 8165 \\ \hline 2371 \\ 6577$		8 337 9 379
27 28 29 30 10331	0140 0141	1623 5828 0032	2043	8259 2464 6669 0873 5077	2884	$7510 \\ 1714$	$\frac{3725}{7930}$	$\boldsymbol{2555}$	4566 8771 2975		1202 5407 9612 3816 8019	420 1 42 2 84 3 126 4 168 5 210
32 33 34 35 36	0142 0143	2643 6846 1048	$3063 \\ 7266 \\ 1468$	9280 3484 7686 1889 6090	3904 8106 2309	4324 8527 2729	0541 4744 8947 3149 7351	5165 9367 3569	1382 5585 9787 3990 8191		4830	6 252 7 294 8 336 9 378
37 38 39 40 10341	0144 0145	3653 7854	4073 8274 2474	$8694 \\ 2894$	$\frac{4913}{9114}$	5333 9534 3734	$\begin{array}{c} 5753 \\ 9954 \end{array}$	$\frac{6173}{0374} \\ 4574$	$0794 \\ 4994$	$ \begin{array}{r} \hline 2813 \\ 7013 \\ \hline 1214 \\ 5414 \\ 9613 \\ \end{array} $	$\frac{7433}{1634}$ 5834	419 1 42 2 84
42 43 44 45 46	0146 0147	$0453 \\ 4652 \\ 8851$	0873	1293 5492 9691 3889	1713 5912 0111 4309 8507	$\begin{array}{c} 2133 \\ 6332 \\ \hline 0531 \\ 4729 \end{array}$	$\begin{array}{c} 2553 \\ 6752 \\ \hline 0950 \\ 5149 \end{array}$	$\begin{array}{c} 2973 \\ 7172 \\ \hline 1370 \\ 5568 \end{array}$	$\frac{3393}{7592}$ $\frac{7592}{1790}$	$ \begin{array}{r} 3813 \\ 8011 \\ \hline 2210 \\ 6408 \end{array} $	$\begin{array}{c} 4233 \\ 8431 \\ \hline 2630 \end{array}$	3 126 4 168 5 210 6 251 7 293 8 335
47 48 49 10350	0148	1445 5642 9839	$\begin{array}{c} 1865 \\ \underline{6062} \\ 0258 \end{array}$	$ \begin{array}{r} 2284 \\ 6481 \\ \hline 0678 \\ 4874 \end{array} $	$\begin{array}{c} 2704 \\ 6901 \\ \hline 1098 \end{array}$	$\frac{3124}{7321}$ $\frac{7321}{1517}$	$\frac{3544}{7740}$ $\frac{7740}{1937}$	$\frac{3963}{8160}$ $\frac{2357}{2}$	$\frac{4383}{8580} \\ \frac{2776}{2}$	$\begin{array}{c} 4803 \\ 8999 \end{array}$	$\begin{array}{c} 5222 \\ 9419 \\ \hline 3615 \end{array}$	9 377

No.	0	1	2	3	4	5	6	*7	8	9	Diff.
51 52 53 54 55	0151 081	1 8650 6 2846 1 70 41		9490 3685 7880 2074	9909 4104 8299	$\begin{array}{r} 6133 \\ \hline 0329 \\ 4524 \\ 8719 \\ 2913 \\ 7107 \end{array}$	$\begin{array}{r} 6553 \\ \hline 0748 \\ 4943 \\ 9138 \\ 3333 \\ 7527 \end{array}$	$\begin{array}{c} \overline{1168} \\ 5363 \end{array}$	$\begin{array}{r} 7392 \\ \hline 1587 \\ 5782 \\ 9977 \\ 4172 \\ 8365 \end{array}$	$\begin{array}{c} 7811 \\ \hline 2007 \\ 6202 \\ \hline 0397 \\ 4591 \\ 8785 \end{array}$	420 1 42 2 84
56 57 58 59 60	$\begin{array}{r} 920 \\ 0152339 \\ 759 \\ 0153178 \\ 597 \end{array}$	4 9624 8 3817 1 8010 3 2203 6 6395	$\overline{0043}$ 4236 8429 2622 6814	$\overline{0462}$ 4656 8849 3041 7233	$ \begin{array}{r} \hline 0882 \\ 5075 \\ 9268 \\ 3460 \\ 7652 \end{array} $	$\overline{1301}$ 5494 9687 3879 8072	$\begin{array}{c} \overline{1720} \\ \underline{5913} \\ \overline{0106} \\ 4299 \\ 8491 \end{array}$	$\begin{array}{r} \overline{2140} \\ 6333 \\ \overline{0526} \\ 4718 \\ 8910 \\ \end{array}$	$ \begin{array}{r} \hline 25\overline{59} \\ 6752 \\ \hline 0945 \\ 5137 \\ 9329 \end{array} $	$ \begin{array}{r} \hline 2978 \\ 7171 \\ \hline 1364 \\ 5556 \\ 9748 \end{array} $	3 126 4 168 5 210 6 252 7 294 8 336 9 378
62 63 64 65	0155 274 693	9 4778 0 8969 0 3159 1 7350	5197 9388 3579 7769	9807 3998 8188	8607	$\begin{array}{r} 6454 \\ \hline 0645 \\ 4836 \\ 9026 \end{array}$	$\overline{1064} $ 5255 9445	$\frac{7293}{1483}$ 5674 9864	$\overline{0283}$	$ \begin{array}{r} 3940 \\ \underline{8131} \\ \overline{2321} \\ \underline{6512} \\ \overline{0701} \\ \end{array} $	419 1 42
66 67 68 69 70 10371	949 0157 368 787	0 5729 9 9918 7 4106 6 8294	$\overline{0337} \\ 4525 \\ 8713$	9132	$\boldsymbol{9551}$	$\overline{1593}$ 5782 9970	0388	$\frac{6619}{0807}$	$\overline{1226}$	$\overline{1645}$	2 84 3 126 4 168 5 210 6 251 7 293
72 73 74 75	0159 043 462 881	1 6670 8 0856 4 5043 1 9229	7088 1275 5462 9648	$7507 \\ 1694 \\ \underline{5880} \\ 0066$	$7926 \\ 2112 \\ 6299 \\ 0485$	$\begin{array}{c} 2531 \\ \underline{6718} \\ \overline{0903} \end{array}$	$\begin{array}{c} 8763 \\ 2950 \\ \underline{7136} \\ 1322 \end{array}$	$ 4995 \\ 9182 \\ 3368 \\ 7555 \\ \hline 1741 \\ 5096 $	$\begin{array}{c} 9600 \\ 3787 \\ \underline{7973} \\ 21\overline{59} \end{array}$	$\frac{4206}{8392} \\ \hline 2578$	8 335 9 377
76 77 78 79 80	973	$\begin{array}{c} 2 & 7600 \\ 7 & 1785 \\ 1 & \underline{5970} \\ 5 & 0154 \end{array}$	$8019 \\ 2204 \\ \underline{6388} \\ 0572$	$\begin{array}{c} 2622 \\ 6806 \\ \hline 0991 \end{array}$	$\frac{3041}{7225}$ $\frac{7225}{1409}$	$3459 \\ 7643 \\ \hline 1827$	$\begin{array}{c} 9693 \\ 3877 \\ \underline{8062} \\ 2246 \end{array}$	$\begin{array}{r} 5926 \\ \hline 0111 \\ 4296 \\ \underline{8480} \\ \underline{2664} \\ \end{array}$	$ \begin{array}{r} \overline{0530} \\ 4714 \\ \underline{8899} \\ 3082 \end{array} $	$ \begin{array}{r} \hline{0948} \\ 5133 \\ 9317 \\ \hline 3501 \end{array} $	418 1 42 2 84 3 125 4 167
10381 82 83 84 85	0164 065	2 8521 5 2704 8 6886 0 1068	8939 3122 7304 1486	$3540 \\ 7723 \\ 1905$	3958 8141 2323	$ \begin{array}{r} \hline 0194 \\ 4377 \\ 8559 \\ 2741 \end{array} $	$0\overline{612}$ 4795 8977 3159	5213 9395 3577	1449 5631 9814 3996	$\frac{6050}{0232} \\ 4414$	5 209 6 251 7 293 8 334 9 376
86 87 88 89 90	0165 319 737 0166 155	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$4030 \\ 8211 \\ 2391$	0267 4448 8629	$0686 \\ 4866 \\ 9047$	$\begin{array}{c} 9465 \\ 3645 \end{array}$	5702 9883 4063	$\frac{\overline{1940}}{6121}$ $\frac{6121}{0301}$	$ \begin{array}{r} 8177 \\ \hline 2358 \\ \hline 6539 \\ \hline 0719 \\ 4899 \end{array} $	$ \begin{array}{r} \hline 2776 \\ 6957 \\ \hline 1137 \\ 5317 \end{array} $	417 1 42 2 83
10391 92 93 94 95	991 0167 409 823 0168 244	71 8689 19 2867	$\begin{array}{c} 0750 \\ 4928 \\ 9107 \\ 3285 \end{array}$		1585 5764 9943	$\frac{2003}{6182} \\ \frac{6182}{0360}$	$\tfrac{6600}{0778}$	$\frac{8660}{2839} \\ \frac{7018}{1196} \\ 5374$	$ \begin{array}{r} \hline 3257 \\ \hline 7436 \\ \hline 1614 \\ 5792 \end{array} $	$\frac{7853}{2032}$ 6209	3 125 4 167 5 209 6 250 7 292 8 334
96 97 98 99 10400	0169 086 498 91	81 5399 58 9575	2 1640 5817 5 9993	$\frac{2058}{6234}$ $\frac{6234}{0411}$	$\begin{array}{c} 2475 \\ \underline{6652} \\ 0828 \end{array}$	$\begin{array}{c} 8716 \\ 2893 \\ 7070 \\ \hline 1246 \\ 5422 \end{array}$	$\frac{3311}{7487}$ $\frac{1664}{1}$	$9551 \\ 3728 \\ 7905 \\ \hline 2081 \\ 6257$	$\frac{4146}{8323} \\ \hline 2499$	$\frac{4564}{8740} \\ \frac{8740}{2916}$	9 375

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10400	0170 3334 7510	$\frac{3752}{7927}$	$\frac{4169}{8345}$	$\begin{array}{c} 4587 \\ 8762 \end{array}$	5004 9180	$\frac{5422}{9597}$	$\tfrac{5839}{0015}$	$\tfrac{6257}{0432}$	$\tfrac{6675}{0850}$	$\tfrac{7092}{1267}$	
02	0171 1685		2520			3772	4190	4607	5025		418
03 04	$\begin{bmatrix} 5860 \\ 01720034 \end{bmatrix}$	$\begin{array}{c} 6277 \\ 0452 \end{array}$	$\begin{array}{c} 6695 \\ 0869 \end{array}$	$7112 \\ 1287$	$\begin{array}{c} 7530 \\ 1704 \end{array}$	$\begin{array}{c} 7947 \\ 2121 \end{array}$	$8365 \\ 2539$	$8782 \\ 2956$	$9199 \\ 3374$		1 42
05	4208		5043			6295				7965	2 84 3 125
06	$8382 \\ 01732555$	$8800 \\ 2973$	9217	$9634 \\ 3807$		$\frac{\overline{0469}}{4642}$	$\frac{0886}{5059}$	$\frac{\overline{1304}}{5477}$	$\frac{1721}{5894}$	$2138 \\ 6311$	4 167
08	6728	7146	7563	7980	8397	8815	9232	9649	$\overline{0}\overline{0}\overline{6}\overline{6}$	$\overline{0484}$	5 209 6 251
10	0174 0901 5073		$\begin{array}{c} 1735 \\ 5907 \end{array}$	$2153 \\ 6325$	$\begin{array}{c} 2570 \\ 6742 \end{array}$	$\frac{2987}{7159}$	$\frac{3404}{7576}$	$\frac{3821}{7993}$	$\frac{4239}{8410}$	$\frac{4656}{8827}$	7 293 8 334
10411		9662					$\frac{1747}{1747}$		$\frac{5110}{2582}$	$\frac{3021}{2999}$	9 376
12	01753416	3833	4250	4667	5084	5501	5919	6336	6753	7170	
13 14	7587 01761757		$8421 \\ 2591$			$\frac{9672}{3842}$	$0089 \\ 4259$	$0506 \\ 4676$	$0923 \\ 5093$	$1340 \\ 5510$	
15	5927		6761	7178	7595	8012	8429	8846	9263	9680	417
16	0177 0097		0931	1348	1765	2182	2599	3016	3433	3850	1 42 2 83
17 18	4266 8435	$\frac{4683}{8852}$	5100 9269	5517 9686	$\frac{5934}{0103}$	$\frac{6351}{0520}$	$\frac{6768}{0936}$	$\frac{7185}{1353}$	$\frac{7602}{1770}$	$\frac{8018}{2187}$	3 125
19	01782604	3021	3437	3854	4271	4688	5105	5522	5938	6355	4 167 5 209
20	6772	7189	7605	8022	8439		9273	9689	0106	0523	6 250 7 292
$\begin{array}{c c} 10421 \\ 22 \end{array}$		$1356 \\ 5524$	$1773 \\ 5940$	$\frac{2190}{6357}$	$\frac{2607}{6774}$	$\frac{3023}{7190}$	$\frac{3440}{7607}$	$3857 \\ 8024$	$\frac{4273}{8440}$	$\frac{4690}{8857}$	8 334
23	9274	9690	$\overline{0107}$	$\overline{0524}$	$\overline{0940}$	$\overline{1357}$	$\overline{1774}$	$\overline{2190}$	$\overline{2607}$	$\overline{3024}$	9 375
24 25	0180 3440 7606	3857 8023	$4274 \\ 8440$	4690 8856	$5107 \\ 9273$	$\frac{5523}{9689}$		$\frac{6357}{0522}$	$\frac{6773}{0939}$	$\frac{7190}{1356}$	
26	01811772	2189	2605	3022	3438	3855	4271	4688	5104		
27	5937			7187	7603		8436		9269	9686	416 1 42
28 29	$01820102\ 4267$	$0519 \\ 4683$	$0935 \\ 5100$	$1352 \\ 5516$	$1768 \\ 5932$	$\frac{2185}{6349}$	$\frac{2601}{6765}$	$3017 \\ 7182$	$\frac{3434}{7598}$	3850 8014	2 83
30	8431	8847		9680		$\overline{0513}$	$\overline{0929}$	$\overline{1345}$	$\overline{1762}$	$\overline{2178}$	3 125 4 166
10431	0183 2595	3011						5509	$\frac{5925}{00000}$	$\frac{6342}{0504}$	5 208 6 250
32 33	$\begin{array}{r} 6758 \\ \textbf{01840921} \end{array}$	1337	$7590 \\ 1753$	2170			$9256 \\ 3418$	$\begin{array}{c} 9672 \\ 3835 \end{array}$	$0088 \\ 4251$	$0504 \\ 4667$	7 291
34	5083			$\frac{6332}{0404}$			$\tfrac{7581}{1742}$	$\frac{7997}{2159}$	$\frac{8413}{2575}$	8829	8 333 9 374
35 36	9245 01853407	9662 3823	4239	4655	0910 5072	$\frac{1326}{5488}$		6320		$\frac{2991}{7152}$	
37	7568		8401		9233				$\frac{0730}{0897}$		
38		2145			3394 7554		$\begin{array}{c} 4226 \\ 8386 \end{array}$	$\begin{array}{c} 4642 \\ 8802 \end{array}$	$5058 \\ 9218$		415
39 40	5890 0187 0050	$\begin{array}{c} 6306 \\ 0466 \end{array}$		7138 1298					3378		1 42
10441	4210	4626	5041		5873	6289	6705	7121	7537	7953	2 83 3 125
42	$\begin{array}{c} 8369 \\ 0188 2528 \end{array}$	$8785 \\ 2944$		$\frac{9617}{3775}$		$\frac{\overline{0448}}{4607}$	$\frac{0864}{5023}$	$\frac{1280}{5439}$		$\frac{2112}{6270}$	4 166
44	6686	7102	7518	7934	8350	8765	9181	9597	$\frac{3833}{0013}$	$\frac{0270}{0429}$	5 208 6 249
45	0189 0844				2508			3755	4171	4586	7 291 8 332
46	5002 9159	5418 9575		$\frac{6249}{0407}$	$\frac{6665}{0822}$	$\frac{7081}{1238}$	$\frac{7497}{1654}$	$\frac{7912}{2069}$	$\frac{8328}{2485}$	$\frac{8744}{2901}$	9 374
48	01903316	3732	4148	4563	4979	5395	5810	6226	6642	7057	
10450	7473 01911629	7889		8720 2876		9551 3707	9967		$\frac{\overline{0798}}{4954}$	1213 5369	
10450	01911029	2040	2400	2010	0491	3101	1123	4000	1004	2209	

					_						U4OU
No.	0	1	2	3	4	5	6	7	8	9	Diff.
10450 51 52 53 54 55	01924095	$\begin{array}{c} \overline{0356} \\ 4511 \\ 8665 \end{array}$	$\begin{array}{c} 6616 \\ \hline 0771 \\ 4926 \\ 9080 \end{array}$	$\overline{1187}$ 5341 9496	3291 7447 1602 5757 9911 4065	$\begin{array}{r} 3707 \\ 7862 \\ \hline 2018 \\ 6172 \\ \hline 0327 \\ 4481 \end{array}$	$\begin{array}{c} 4123 \\ \underline{8278} \\ \underline{2433} \\ \underline{6588} \\ \underline{0742} \\ 4896 \end{array}$	$\begin{array}{r} 4538 \\ 8694 \\ \hline 2849 \\ 7003 \\ \hline 1158 \\ 5311 \\ \end{array}$	$\begin{array}{r} 4954 \\ \underline{9109} \\ 3264 \\ \underline{7419} \\ 1573 \\ 5727 \end{array}$	9525	416 1 42 2 83
56 57 58 59 60	6557 0194 0711 4864	6973 1126 5279 9432	$7388 \\ 1541$	$7804 \\ 1957$	$8219 \\ 2372$	$\begin{array}{c} 8634 \\ 2787 \\ \underline{6940} \\ 1092 \\ 5244 \end{array}$	$\begin{array}{c} 9050 \\ 3203 \\ \underline{7355} \\ 1508 \end{array}$	$\begin{array}{c} 9465 \\ 3618 \\ \hline 7771 \\ \hline 1923 \\ 6075 \end{array}$	$9880 \\ 4033 \\ \underline{8186} \\ 2338$		3 125 4 166 5 208 6 250 7 291 8 333
$10461 \\ 62 \\ 63 \\ 64 \\ 65$	$7320 \\ 01961472 \\ 5623 \\ 9773 \\ 01973923$	$7735 \\ 1887 \\ 6038 \\ \hline 0188 \\ 4338$	$8151 \\ 2302 \\ \underline{6453} \\ \overline{0603} \\ 4753$	$\begin{array}{c} 8566 \\ 2717 \\ 6868 \\ \hline 1018 \\ 5168 \end{array}$	$\begin{array}{c} 8981 \\ 3132 \\ 7283 \\ \hline 1433 \\ 5583 \end{array}$	$\begin{array}{c} 9396 \\ 3547 \\ 7698 \\ \hline 1848 \\ 5998 \end{array}$	3962	$\begin{array}{c} \overline{0226} \\ 4377 \\ 8528 \\ \overline{2678} \\ 6828 \end{array}$		$ \begin{array}{r} \hline 1056 \\ 5207 \\ 9358 \\ \hline 3508 \\ 7658 \end{array} $	9 374
66 67 68 69 70	$\begin{bmatrix} 0198 & 2222 \\ 6371 \\ 0199 & 0520 \\ 4668 \end{bmatrix}$	6786 0935 5083	3052 7201 1350 5498	5913	$8031 \\ 2179 \\ 6327$	4297 8446 2594 6742	4712 8861 3009 7157	$\overline{0978}$ 5127 9275 3424 7572	9690 3839 7986	$\begin{array}{c} 4253 \\ 8401 \end{array}$	1 42 2 83 3 125 4 166 5 208 6 249
10471 72 73 74 75	$\begin{array}{c} 8816 \\ 0200 \ 2963 \\ 7110 \\ 0201 \ 1257 \\ 5403 \end{array}$	9231 3378 7525 1672 5818	$3793 \\ 7940 \\ 2086$	$ \begin{array}{r} 0060 \\ 4207 \\ 8354 \\ 2501 \\ 6647 \end{array} $	4622 8769 2915 7062	5037	7891	$\begin{array}{r} 5866 \\ \hline 0013 \\ 4159 \\ 8305 \end{array}$	$\begin{array}{c} 6281 \\ \hline 0428 \\ 4574 \\ 8720 \end{array}$	$\begin{array}{c} 4989 \\ 9134 \end{array}$	7 291 8 332 9 374
76 77 78 79 80	$02023694\\7839\\02031984$		$ \begin{array}{r} 0378 \\ 4523 \\ 8668 \\ 2813 \\ 6957 \end{array} $	4938	$\overline{1207}$ 5352 9497 3642 7786	1622 5767 9912 4056 8200	$\tfrac{6181}{0326}$	$\begin{array}{r} 2451 \\ 6596 \\ \hline 0741 \\ 4885 \\ 9029 \end{array}$	$ \begin{array}{r} 2865 \\ 7010 \\ \hline 1155 \\ 5299 \\ 9443 \end{array} $	$ \begin{array}{r} 3280 \\ 7425 \\ \hline 1570 \\ 5714 \\ 9858 \end{array} $	414 1 41 2 83 3 124 4 166
10481 82 83 84 85	0205 2701	$\frac{4830}{8973}$	$ \begin{array}{c} 1101 \\ 5244 \\ 9387 \\ 3530 \\ 7672 \end{array} $	1515 5658 9801 3944 8086	$\frac{6073}{0216} \\ 4358$	$\begin{array}{c} 2344 \\ \underline{6487} \\ 0630 \\ 4772 \\ 8914 \end{array}$	$\begin{array}{c} 2758 \\ \underline{6901} \\ 1044 \\ 5187 \\ 9329 \end{array}$		$\begin{array}{c} 3587 \\ \underline{7730} \\ 1873 \\ \underline{6015} \\ \overline{0157} \end{array}$	$\begin{array}{c} 4001 \\ \underline{8144} \\ \underline{2287} \\ \underline{6429} \\ \underline{0571} \end{array}$	5 207 6 248 7 290 8 331 9 373
86 87 88 89 90	$\begin{bmatrix} 0206 \ 0985 \\ 5127 \\ 9268 \\ 0207 \ 3409 \\ 7549 \end{bmatrix}$	7963	$\begin{array}{c} 1814 \\ \underline{5955} \\ \overline{0096} \\ 4237 \\ 8377 \end{array}$	$\begin{array}{c} 2228 \\ \underline{6369} \\ 0510 \\ 4651 \\ 8791 \end{array}$	$\frac{6783}{0924}$ 5065	3056 7197 1338 5479 9619	$\tfrac{7611}{1752}$	$\begin{array}{c} 3884 \\ \underline{8026} \\ \underline{2166} \\ \underline{6307} \\ \overline{0447} \end{array}$	$\begin{array}{r} 4299 \\ \underline{8440} \\ \underline{2580} \\ \underline{6721} \\ \underline{0861} \end{array}$	$\overline{2994}$	413 1 41 2 83
92 93 94 95	9967 0209 4106	$\tfrac{6242}{0381}$	4934	$\frac{1209}{5348}$	$\tfrac{7484}{1623}$	$\begin{array}{r} 3758 \\ 7898 \\ \hline 2037 \\ 6175 \\ \hline 0313 \end{array}$	$\begin{array}{c} 4172 \\ \underline{8312} \\ \underline{2451} \\ \underline{6589} \\ \overline{0727} \end{array}$	$\begin{array}{r} 4586 \\ \underline{8726} \\ 2864 \\ \underline{7003} \\ 1141 \end{array}$	$\begin{array}{c} 5000 \\ \underline{9139} \\ \overline{3278} \\ \underline{7417} \\ \overline{1555} \end{array}$	$5414 \\ \underline{9553} \\ \overline{3692} \\ \underline{7830} \\ \overline{1968}$	3 124 4 165 5 207 6 248 7 289
96 97 98 99 10500		6933		$\frac{1898}{6035}$	6448	$\begin{array}{c} 4451 \\ 8588 \\ 2725 \\ \underline{6862} \\ 0998 \end{array}$	$\frac{3139}{7275}$	$5279 \\ 9416 \\ 3553 \\ 7689 \\ \hline 1825$	$5692 \\ 9829 \\ 3966 \\ \underline{8103} \\ \underline{2239}$	$\begin{array}{c} 6106 \\ \hline 0243 \\ 4380 \\ 8516 \\ \hline 2652 \\ \end{array}$	8 330 9 372

No.	_ 0	1	2	3	4	5	6	7	8	9	Diff.
10500 01 02 03 04	0211 8930 0212 3066 7201 0213 1337 5471	3479 7615 1750 5885	3893 8028 2164 6298	4307 8442 2577 6712	$8856 \\ 2990 \\ 7125$	5134 9269 3404 7539	1412 5547 9683 3817 7952	$\frac{5961}{0096}$ $\frac{4231}{8365}$	$\frac{6374}{0510}$ $\frac{4644}{8779}$	$\begin{array}{c} 5058 \\ 9192 \end{array}$	414 1 41
05 06 07 08 09 10	9606 0214 3740 7873 0215 2006 6139 0216 0272	8287 2420 6552	$\begin{array}{c} 2833 \\ 6966 \end{array}$		$\begin{array}{c} 9527 \\ 3660 \\ 7792 \end{array}$	9940 4073 8205	8619	$\begin{array}{c} \overline{0766} \\ 4899 \end{array}$	$\frac{7047}{1180}$ 5313 9445		2 83 3 124 4 166 5 207 6 248 7 290 8 331
10511 12 13 14 15	8535 0217 2666 6797 0218 0928	1341	9361 3493 7623 1754	3906 8036 2167	0188 4319 8449 2580	4732 8863 2993	1014 5145 9276 3406	5558 9689 3819	$\frac{5971}{0102}$ 4232	0515 4645	9 373 413 1 41
10 17 18 19 20 10521	9187 0219 3317	3730 7858	$\overline{0013}$ 4142 8271 2400	0426 4555 8684 2812	$\begin{array}{c} \overline{0839} \\ 4968 \end{array}$	9510	1665 5794 9923 4051	$\frac{6207}{0335}$ 4464	$\begin{array}{r} 2491 \\ 6620 \\ \hline 0748 \\ 4876 \end{array}$	2904	2 83 3 124 4 165 5 207 6 248 7 289
22 23 24 25 26	$\begin{array}{c} 9830 \\ 02213957 \\ 8084 \\ 02222210 \end{array}$	$ \begin{array}{r} 0242 \\ 4370 \\ 8497 \end{array} $	$ \begin{array}{r} 0655 \\ 4782 \\ 8909 \end{array} $	1068 5195 9322 3448	$\frac{\overline{1481}}{5608}$	$\frac{1893}{6021} \\ \frac{6021}{0147}$	$\begin{array}{r} 2306 \\ 6433 \\ \hline 0560 \\ 4686 \end{array}$	$\begin{array}{r} 2719 \\ 6846 \\ \hline 0973 \\ 5099 \end{array}$	$ \begin{array}{r} \hline 3\overline{132} \\ 7259 \\ \hline 1385 \\ 5511 \end{array} $	$ \begin{array}{r} \hline 3544 \\ 7671 \\ \hline 1798 \\ 5924 \\ \hline 0050 \end{array} $	8 330 9 872
27 28 29 30 10531	$02230462\\4588\\8713\\02242837$	0875 5000 9125	1287 5413 9538 3662	1700 5825 9950 4074	$\begin{array}{c} 2112 \\ \underline{6238} \\ 0362 \\ 4487 \end{array}$		2938 7063 1187 5312	$\frac{3350}{7475}$ $\frac{1600}{1}$	$ \begin{array}{r} 3763 \\ 7888 \\ \hline 2012 \\ \hline 6136 \end{array} $	$ \begin{array}{r} 4175 \\ 8300 \\ \hline 2425 \\ 6549 \\ \hline 0673 \end{array} $	412 1 41 2 82 3 124 4 165 5 206
32 33 34 35 36	0225 1085 5208	1497 5621 9744 3866	$\frac{1910}{6033} \\ \hline 0156$	$\begin{array}{c} 2322 \\ \underline{6445} \\ 0568 \\ 4691 \end{array}$	$\begin{array}{c} 2734 \\ 6858 \\ \hline 0980 \\ 5103 \end{array}$	3147 7270 1393 5515 9637	$\begin{array}{c} 3559 \\ 7682 \\ \hline 1805 \end{array}$	$\begin{array}{r} 3971 \\ 8095 \\ \hline 2217 \\ 6340 \\ \end{array}$	4384 8507	4796 8919 3042 7164	6 247 7 288 8 330 9 371
37 38 39 40 10541	0227 1698 5819 9940 0228 4061	$\begin{array}{c} 2110 \\ \underline{6232} \\ 0353 \\ 4473 \end{array}$	$\begin{array}{c} 2522 \\ \underline{6644} \\ \overline{0765} \\ 4885 \end{array}$	$\begin{array}{c} 2934 \\ 7056 \\ \hline 1177 \\ 5297 \end{array}$	$\frac{3347}{7468}$ $\frac{7468}{1589}$ 5709	$\frac{3759}{7880}$ $\frac{2001}{2001}$	$4171 \\ 8292 \\ \hline 2413 \\ 6533$	$\frac{4583}{8704} \\ \frac{2825}{2}$	4995 9116 3237 7357 1477	5407 9528 3649 7769 1889	411 1 41 2 82
42 43 44 45	0229 2301 6421 0230 0540 4658	6833 0952 5070	3125 7244 1363 5482	3537 7656 1775 5894		4361 8480 2599 6718	4773 8892 3011 7129	5185 9304 3423 7541	5597 9716 3835 7953	$\begin{array}{c} 6009 \\ \hline 0128 \\ 4247 \\ 8365 \end{array}$	3 123 4 164 5 206 6 247 7 288 8 329
46 47 48 49 10550	$\begin{array}{r} 8777 \\ 02312895 \\ 7012 \\ 02321129 \\ 5246 \end{array}$		$\begin{array}{c} 7836 \\ 1953 \end{array}$	4130 8247 2364	2776	0836 4953 9071 3188 7304	3599	4011	$\frac{6189}{0306}$	$\begin{array}{c} 2483 \\ 6600 \\ \hline 0718 \\ 4834 \\ 8951 \\ \end{array}$	9 370

No	0	1	2	3	4	5	6	7	8	9	Diff
No.	_		_	_		-	-	•	•	•	Diff.
10550	0232 5246		$\frac{6069}{0186}$		$\frac{6893}{1009}$	$\frac{7304}{1420}$		$\frac{8127}{2244}$		$\frac{8951}{3067}$	
52	0233 3478				5125				6771		
53		8005		$\boldsymbol{8828}$	9240	9651		$\overline{0474}$			412
54 55	02341709			2943	3355		4178		5001		1 41
56		6235	6647	7058	7470	7881			9115		2 82 3 124
57	02354052		$\begin{array}{c} \overline{0761} \\ 4875 \end{array}$		$\frac{1584}{5698}$	$\frac{1995}{6109}$		$\frac{\overline{2818}}{6932}$	$\frac{3229}{7343}$	$\frac{3641}{7754}$	4 165
58		8577		9400		$\frac{0100}{0222}$	$\frac{0020}{0634}$	$\frac{0302}{1045}$		$\frac{1868}{1868}$	5 206 6 247
59		2690	3102	3513	3924		4747		5569		7 288
60	6392	6803	7214	7626	8037	8448			9682		8 330 9 371
$\begin{array}{c} 10561 \\ 62 \end{array}$	0237 0504		1327		2149	2560			3794	4205	9 311
63	$\frac{4616}{8728}$	5027 9139	$5439 \\ 9550$		$\frac{6261}{0373}$	$\frac{6672}{0784}$	$\frac{7083}{1195}$	$\frac{7495}{1606}$	$\frac{7906}{2017}$	$\frac{8317}{2428}$	
64	0238 2839		3661		4484	4895		5717	6128	6539	
65	6950	7361	7772	8183	$\bf 8594$	9005	9416	$\boldsymbol{9828}$	$\overline{0239}$	$\overline{0650}$	411
66	0239106 1		${\bf 1883}$	2294	2705	311 6	3527		4349	4760	1 41
67 68			$\frac{5993}{0100}$	6404	$\frac{6815}{6824}$	$\frac{7226}{1005}$	$\frac{7637}{1740}$	8048	8459	8870	2 82 3 123
69	0240 3390		$0102 \\ 4212$	4623	5033	$\frac{1335}{5444}$		$\frac{2157}{6266}$	$\frac{2568}{6677}$	$\frac{2979}{7088}$	4 164
70		7910		8731	9142	9553	9964		$\frac{00786}{0786}$	$\frac{1000}{1196}$	5 206 6 247
10571	0241 1607	2018	2429	2840	3251	3661	4072	4483	4894	5305	7 288
72		$\underline{6126}$		6948	7359	7769	8180	$\underline{8591}$	9002	9412	8 329 9 370
73 74	$9823 \\ 02423931$	0234		$\frac{\overline{1055}}{5163}$	$\frac{1466}{5573}$	$\frac{\overline{1877}}{5984}$	2288		3109	$\frac{3520}{7627}$	9 310
75		8448		9270	9680	$\frac{5984}{0091}$	$\frac{0395}{0502}$	$\frac{6806}{0912}$	$\frac{7216}{1323}$	$\frac{7027}{1734}$	
76	0243 2144	2555	2965	3376	3787	4197	4608	5019	5429	5840	
77	6250		7072	7482	7893		8714		9535	9946	410
78 79	$02440356\\4462$		1177		1998			3230		4051	1 41 2 82
80	8567	$4872 \\ 8977$		5693 9798	$\frac{6104}{0209}$	$\frac{6514}{0619}$	$\frac{6925}{1030}$	$\frac{7335}{1440}$	$\frac{7746}{1851}$	$\frac{8156}{2261}$	3 123
10581	0245 2671		3492	3903			5134		5955	6365	4 164 5 205
82	6776	7186	7597	8007			9238		$\overline{00\overline{59}}$	$\overline{0469}$	6 246
83			1700			2931		3752	4162	4573	7 287 8 328
84 85		9497	5804 9907	$\frac{6214}{0317}$	$\frac{6624}{0727}$	$\frac{7035}{1138}$	$\frac{7445}{1548}$	$\frac{7855}{1958}$	$\frac{8266}{2368}$	$\frac{8676}{2779}$	9 369
86	0247 3189		4009		4830				6471		
87			8112				9753		$\frac{0471}{0573}$	$\frac{0001}{0983}$	
88	0248 1393			$\boldsymbol{2624}$	3034	3444		4264		5085	
89 90		$\frac{5905}{0006}$	$\frac{6315}{0416}$		$\frac{7135}{1236}$	$\tfrac{7545}{1646}$	$\frac{7956}{2057}$	$\frac{8366}{2467}$	$\frac{8776}{2877}$	$\frac{9186}{3287}$	409
	0249 3697										1 41 2 82
$10591 \\ 92$	7797	$\frac{4107}{8207}$	4517 8617	$\frac{4927}{9027}$	5337 9437	$5747 \\ 9847$	$\tfrac{6157}{0257}$	$\frac{6567}{0667}$	$\frac{6977}{1077}$	$\frac{7387}{1487}$	3 123
93	02501897	2307	2717	3127	3537	3947	4357	4767	5177	5587	4 164 5 205
94	5997		6817	7227	7637	8047		8866	9276	9686	6 245
95	0251 0096			1326		2146			3375	3785	7 286 8 327
96 97	4195 8293		5015 9113	5425 9523	5834	$\frac{6244}{0343}$		$\frac{7064}{1162}$	$\frac{7474}{1572}$	$\frac{7884}{1982}$	9 368
98	0252 2392		3211			4440		5260	5670	6079	
99	6489	6899		7718		8538	8948	9357	9767	$\overline{0177}$	
10600	0253 0587	0996	1406	1816	222 5	2635	3045	3454	3864	4274	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10600 01 02 03 04 05	0254	4683 8780 2876 6972	0996 5093 9190 3286 7381 1477	5503 9599 3695 7791	$\tfrac{5912}{0009}$	$\begin{array}{c} 6322 \\ \hline 0418 \\ 4514 \\ 8610 \end{array}$		$\frac{7141}{1238}$ 5334 9429	$\frac{7551}{1647}$ 5743	$\begin{array}{c} 3864 \\ \underline{7961} \\ \underline{2057} \\ \underline{6153} \\ \underline{0248} \\ 4343 \end{array}$	$\frac{8370}{2467}$	410 1 41 2 82
06 07 08 09 10	0256	$7445 \\ 1538$	3761 7854 1948	0076 4170 8264 235 7	$8673 \\ 2766$	4989 9082 3176	$9492 \\ 3585$	1713 5807 9901 3994	$\begin{array}{c} 8029 \\ \hline 2123 \\ 6217 \\ \hline 0310 \\ 4404 \end{array}$	$\begin{array}{r} 2532 \\ 6626 \\ \hline 0720 \\ 4813 \end{array}$	$\begin{array}{r} 8847 \\ \hline 2942 \\ 7036 \\ \hline 1129 \\ 5222 \\ \end{array}$	3 123 4 164 5 205 6 246 7 287 8 328 9 369
10611 12 13 14 15		9724 3816 7908 2000	$6041 \over 0133 \\ 4226 \\ 8317 \\ 2409$	0543 4635 8727 2818	$ \begin{array}{r} \hline 0952 \\ 5044 \\ 9136 \\ 3227 \end{array} $	1361 5453 9545 3636	5862 9954 4045	$\begin{array}{r} 6272 \\ \hline 0363 \\ 4455 \end{array}$	$\begin{array}{r} 2589 \\ 6681 \\ \hline 0772 \\ 4864 \end{array}$	$\begin{array}{r} 8906 \\ \hline 2998 \\ 7090 \\ \hline 1182 \\ 5273 \\ \end{array}$	$\frac{7499}{1591}$ 5682	409
16 17 18 19 20	0261	$\begin{array}{c} 0182 \\ 4272 \\ 8362 \\ 2452 \end{array}$	6500 0591 4681 8771 2861	1000 5090 9180 3270	1409 5499 9589 3678	5908 9998 4087			3045 7135 1225 5314	5723	$\begin{array}{c} 3863 \\ 7953 \\ \hline 2043 \\ 6132 \end{array}$	1 41 2 82 3 123 4 164 5 205 6 245
10621 22 23 24 25	0262	$0630 \\ 4718 \\ 8806$	5127	1447 5536 9624	$\tfrac{5945}{0033}$	$ 8176 \\ 2265 \\ 6353 \\ \hline 0441 \\ 4529 $	$8585 \\ 2674 \\ 6762 \\ \hline 0850 \\ 4938$	$\begin{array}{c} 8994 \\ 3083 \\ \underline{7171} \\ 1259 \\ 5346 \end{array}$	$\frac{3492}{7580} $ $\frac{1668}{1}$	$\begin{array}{c} 9812 \\ 3900 \\ 7989 \\ \hline 2076 \\ 6164 \end{array}$	$\frac{8397}{2485}$	7 286 8 327 9 368
26 27 28 29 30	0264	1068 5155 924 1	7390 1477 5563 9649 3735		$\begin{array}{c} 8207 \\ 2294 \\ 6380 \\ \hline 0466 \\ 4552 \end{array}$	6789	$\overline{1284}$	$\overline{1692}$	$\overline{2101}$	$\begin{array}{r} 0251 \\ 4337 \\ 8424 \\ \hline 2509 \\ 6595 \\ \end{array}$	$\overline{2918}$	408 1 41 2 82 3 122 4 163
10631 32 33 34 35	0266	1497 5581 9666	$7820 \\ 1905 \\ 5990 \\ \hline 0074 \\ 4158$	$\begin{array}{c} 2314 \\ \underline{6398} \\ \overline{0482} \end{array}$	6807	$9046 \\ 3131 \\ 7215 \\ \hline 1299 \\ 5383$	$\frac{3539}{7624}$ $\frac{7624}{1708}$	$\begin{array}{c} 3948 \\ \underline{8032} \\ \overline{2116} \end{array}$		$\overline{2933}$		5 204 6 245 7 286 8 326 9 367
36 37 38 39 40	0269	$1916 \\ 5999$	8241 2324 6407 0489 4571		9058 3141 7223 1306 5387	9466 3549 7632 1714 5795	$3957 \\ 8040 \\ 2122$	$4366 \\ 8448 \\ 2530$	$ \begin{array}{r} \hline{0691} \\ 4774 \\ 8856 \\ 2938 \\ 7020 \end{array} $	5182 9264 3346	1508 5590 9673 3755 7836	407
10641 42 43 44 45	0270	2325	$\begin{array}{c} 2734 \\ 6814 \end{array}$	$3142 \\ 7222 \\ 1303$	9469 3550 7630 1711 5790	8038	$8446 \\ 2527$	4774	$9263 \\ 3343$		$\begin{array}{r} \overline{1917} \\ 5998 \\ \overline{0079} \\ 4159 \\ 8238 \\ \end{array}$	2 81 3 122 4 163 5 204 6 244 7 285 8 326
46 47 48 49 10650	0272	2725 6804 0883	9054 3133 7212 1291 5369	3541 7620 1698	2106	2514	$4765 \\ 8844 \\ 2922$	5173 9251 3330		5989	$\begin{array}{r} 2318 \\ 6396 \\ \hline 0475 \\ 4553 \\ 8631 \\ \end{array}$	8 326 9 366

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10650 51 52 53 54 55	$\begin{array}{r} 02743116 \\ 7193 \\ 02751269 \\ 5345 \end{array}$	$\begin{array}{c} 9446 \\ 3523 \\ 7600 \\ 1677 \\ 5753 \end{array}$	9854 3931 8008 2085 6161	$\overline{0262}$ 4339 8416 2492 6568	$ \begin{array}{r} \overline{0669} \\ 4747 \\ 8823 \\ 2900 \\ 6976 \end{array} $	1077 5154 9231 3307 7383	1485 5562 9639 3715 7791	$\frac{4123}{8198}$	$ \begin{array}{r} 0454 \\ 4530 \\ 8606 \end{array} $	$\begin{array}{r} 2708 \\ 6785 \\ \hline 0862 \\ 4938 \\ 9014 \\ \end{array}$	408 1 41 2 82
56 57 58 59 60 10661 62 63	$0277 1646 \\ -5720 \\ 9794 \\ 0278 3868 \\ 7941$	$ \begin{array}{r} 3904 \\ 7979 \\ 2054 \\ 6128 \\ \hline 0202 \\ 4275 \\ 8348 \end{array} $	$8387 \\ 2461 \\ 6535 \\ \hline 0609 \\ 4682 \\ 8755$	$4719 \\ 8794 \\ 2869 \\ 6943 \\ \hline 1016 \\ 5090 \\ 9163$	$\begin{array}{c} 9201 \\ 3276 \\ 7350 \\ \hline 1424 \\ 5497 \\ 9570 \\ \end{array}$	9609 3683 7757 $\overline{1831}$ 5904 9977	$\begin{array}{c} 4091 \\ 8165 \\ \hline 2238 \\ \underline{6312} \\ \hline 0385 \end{array}$	$\begin{array}{c} 6349 \\ \hline 0424 \\ 4498 \\ 8572 \\ \hline 2646 \\ 6719 \\ \hline 0792 \\ \end{array}$	$4906 \\ 8980 \\ \hline 3053 \\ \hline 7126 \\ \hline 1199 \\$	$5313 \\ 9387 \\ \hline 3460 \\ \hline 7534 \\ \hline 1606 \\ \hline$	3 122 4 163 5 204 6 245 7 286 8 326 9 367
64 65 66 67 68 69 70	$02800158\\4230$	6493 0565 4637 8708 2779	$6900 \\ 0972$	7308 1379 5451 9522 3593	9929			8936		$ \begin{array}{r} 3822 \\ 7894 \\ \hline 1964 \\ 6035 \end{array} $	407 1 41 2 81 3 122 4 163 5 204 6 244
10671 72 73 74 75	$02820512\\4582\\8651\\02832720\\6788\\02840857$	4989 9058 3127 7195	5396 9465 3534 7602	$\begin{array}{c} 5802 \\ 9872 \end{array}$	$\frac{6209}{0279}$	$\begin{array}{r} 2547 \\ \underline{6616} \\ 0685 \\ 4754 \\ 8822 \\ 2890 \end{array}$	$\begin{array}{c} 2954 \\ 7023 \\ \hline 1092 \\ 5161 \\ 9229 \\ 3297 \end{array}$	3361 7430 1499 5568 9636 3704	$\frac{7837}{1906}$ 5975	$\overline{0450}$	7 285 8 326 9 366
77 78 79 80	4924 8992 0285 3059 7125	5331 9398 3465 7532	5738 9805 3872 7939	$\begin{array}{c} 6145 \\ \hline 0212 \\ 4279 \\ 8345 \end{array}$	$\begin{array}{r} 6551 \\ \hline 0618 \\ 4685 \\ 8752 \end{array}$	$\begin{array}{r} 6958 \\ \hline 1025 \\ 5092 \\ 9158 \end{array}$	$\begin{array}{r} 7365 \\ \hline 1432 \\ 5499 \\ 9565 \end{array}$	$\begin{array}{c} 7771 \\ \hline 1839 \\ 5905 \\ 9972 \end{array}$	$\begin{array}{r} 8178 \\ \hline 2245 \\ \hline 6312 \\ \hline 0378 \\ \end{array}$	$\frac{8585}{2652} \\ \frac{6719}{0785}$	406 1 41 2 81 3 122 4 162
10681 82 83 84 85	0287 3388	5664 9729 3794 7859	$\begin{array}{r} 6070 \\ \hline 0136 \\ 4201 \\ 8266 \end{array}$	$\overline{0542}$ 4607 8672	$ \begin{array}{c} \overline{0949} \\ 5014 \\ 9078 \end{array} $	$ \begin{array}{r} 3224 \\ 7290 \\ \hline 1355 \\ 5420 \\ 9485 \end{array} $		$4038 \\ \underline{8103} \\ \underline{2168} \\ \underline{6233} \\ \underline{0298}$	$\begin{array}{r} 8510 \\ \hline 2575 \\ 6640 \\ \hline 0704 \end{array}$	$\tfrac{7046}{1111}$	5 203 6 244 7 284 8 325 9 365
86 87 88 89 90	9645 0289 3708	$\frac{5987}{0051}$	$\frac{6394}{0457}$ 4520	$\begin{array}{c} \overline{0864} \\ 4927 \end{array}$	$ \begin{array}{r} 3143 \\ 7206 \\ \hline 1270 \\ 5333 \\ 9396 \end{array} $	$ \begin{array}{r} 3549 \\ 7613 \\ \hline 1676 \\ 5739 \\ 9802 \end{array} $	$\overline{2082}$	$\begin{array}{r} 4362 \\ \underline{8425} \\ \underline{2489} \\ \underline{6552} \\ \underline{0614} \end{array}$	$\begin{array}{r} 4768 \\ \underline{8832} \\ \underline{2895} \\ \underline{6958} \\ \underline{1020} \end{array}$	$5175 \\ \underline{9238} \\ \overline{3301} \\ \underline{7364} \\ \overline{1427}$	405 1 41 2 81
10691 92 93 94 95	9957 0291 4018 8079	$\begin{array}{r} 6301 \\ \hline 0363 \\ 4424 \\ 8485 \end{array}$	$\begin{array}{r} 6707 \\ \hline 0769 \\ 4830 \\ 8891 \end{array}$	1175 5236 9297	$\begin{array}{r} 7520 \\ \hline 1581 \\ 5642 \\ 9703 \end{array}$	$\begin{array}{r} 7926 \\ \hline 1987 \\ 6048 \\ \hline 0109 \end{array}$	$\frac{2394}{6455} \\ \hline 0515$	$\begin{array}{r} 4676 \\ \underline{8738} \\ \underline{2800} \\ \underline{6861} \\ \underline{0921} \end{array}$	$5083 \\ \underline{9144} \\ 3206 \\ \underline{7267} \\ 1327$	$5489 \\ \underline{9551} \\ \underline{3612} \\ \underline{7673} \\ \underline{1733}$	3 122 4 162 5 203 6 243 7 284 8 324
96 97 98 99 10700	0293 0259 4319	6606 0665	7012 1071 5131	7418 1477 5536	7824 1883 5942		$8635 \\ 2695 \\ 6754$	$\begin{array}{c} 4982 \\ 9041 \\ 3101 \\ \hline 7160 \\ \hline 1219 \\ \end{array}$		5794 9853 3913 7972 2031	9 365

P

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10700 01 02 03 04 05	0294	$2436 \\ 6495 \\ 0553 \\ 4610$	2842 6900 0958 5016	9190 3248 7306 1364 5421 9479	3654 7712 1770 5827	$4060 \\ 8118 \\ 2176$	2581	4871 8929 2987 7044	5277 9335 3393 7450	5683 9741 3799	$\begin{array}{r} 6089 \\ \hline 0147 \\ 4204 \\ 8261 \end{array}$	
06 07 08 09 10	0297	6780 0836 4892 8947	7186 1242 5297 9353	5703	$7997 \\ 2053 \\ \underline{6108} \\ 0164$	$\overline{0569}$	2864	$9214 \\ 3270 \\ 7325 \\ \hline 1380$	7731	$\begin{array}{r} 0025 \\ 4081 \\ 8136 \\ \hline 2191 \end{array}$	$\begin{array}{r} 0431 \\ 4486 \\ 8542 \\ \hline 2596 \end{array}$	406 1 41 2 81 3 122 4 162 5 203 6 244
12 13 14 15	0299	7056 1110 5164 9218	7462 1516 5570 9623	$7867 \\ 1921 \\ 5975 \\ \hline 0028 \\ 4081$	$\begin{array}{c} 8273 \\ 2327 \\ \underline{6380} \\ 0433 \end{array}$	$\begin{array}{c} 8678 \\ 2732 \\ 6786 \\ \hline 0839 \end{array}$	9083 3137 7191 1244	$9489 \\ 3543 \\ 7596 \\ \hline 1649$	$ 9894 \\ 3948 \\ 8002 \\ \hline 2055 \\ 6107 $	$ \begin{array}{r} 0300 \\ 4353 \\ 8407 \\ \hline 2460 \end{array} $	$ \begin{array}{r} \hline 0705 \\ 4759 \\ 8812 \\ \hline 2865 \end{array} $	7 284 8 325 9 365
$ \begin{array}{r} 17 \\ 18 \\ 19 \\ 20 \\ 10721 \end{array} $	0301	1375 5427 9479	1780 5832 9884	8134 2186 6237 0289 4340	$\frac{2591}{6643} \\ \hline 0694$	$\frac{2996}{7048}$ $\frac{7048}{1099}$	7453	$\frac{3806}{7858}$ $\frac{1909}{1909}$	$ \begin{array}{r} \hline{0160} \\ 4212 \\ 8263 \\ \hline{2314} \\ 6365 \end{array} $	$\frac{4617}{8668} \\ \hline 2719$	$\begin{array}{c} 5022 \\ 9073 \\ \hline 3125 \end{array}$	405
22 23 24 25 26	0303	1631 5681 9730	$\begin{array}{c} 2036 \\ 6086 \\ \hline 0135 \end{array}$	$8390 \\ 2441 \\ \underline{6490} \\ 0540 \\ 4589$	$\begin{array}{c} 2846 \\ 6895 \\ \hline 0945 \end{array}$	$\frac{3251}{7300}$ $\frac{1350}{1}$	$\frac{3656}{7705}$ $\frac{1755}{1755}$	4061 8110	0416 4466 8515 2565 6613	$\frac{4871}{8920} \\ \hline 2969$	$\begin{array}{c} 1226 \\ 5276 \end{array}$	2 81 3 122 4 162 5 203 6 243 7 284
27 28 29 30 10731	0305	7828 1876 5925 9972	$\begin{array}{c} 8233 \\ 2281 \\ \underline{6329} \\ 0377 \end{array}$	8638 2686 6734 0782 4829	$\begin{array}{c} 9043 \\ 3091 \\ 7139 \\ \hline 1186 \end{array}$	9447 3496 7544	$\begin{array}{c} 9852 \\ 3901 \\ 7948 \\ \hline 1996 \end{array}$	$\overline{0257} \ 4305 \ 8353$	$\begin{array}{c} \overline{0662} \\ 4710 \\ \underline{8758} \\ 2805 \end{array}$	1067	1472 5520 9567	8 324 9 365
32 33 34 35 36	0307 0308	8066 2113 6159 0205	8471 2518 6564 0609	8876 2922 6968 1014 5059	9280 3327 7373 1419	9685 3731 7777 1823	$\overline{0090}$ 4136	$\overline{0494} \\ 4541 \\ 8587$	0899 4945 8991 3037	1304 5350 9396	1708 5754 9800 3846	404 1 40 2 81
37 38 39	0309	8295 2340 6384 0428	8700 2744 6789 0833	$9104 \\ 3149$	9509 3553 7597 1641	9913 3958 8002 2046	0318 4362 8406 2450	$0722 \\ 4767 \\ 8811$	1127 5171 9215 3259	1531 5575 9619	$\begin{array}{c} \overline{1936} \\ 5980 \\ \overline{0024} \\ 4067 \end{array}$	3 121 4 162 5 202 6 242 7 283 8 323
42 43 44 45	0311	8515 2558 6600 0642	8919 2962 7004 1046	9323 3366 7408 1450	9728 3770 7813 1855	0132 4175 8217 2259	0536 4579 8621 2663	0941 4983 9025 3067	1345 5387 9429 3471	1749 5792 9834 3875	$\begin{array}{c} 2\overline{153} \\ 6\underline{196} \\ 0\overline{238} \\ 4279 \end{array}$	9 864
49	0313	3725 2766 3806	$\frac{3170}{7210}$	9533 3574 7614 1654	3978 8018	$ \begin{array}{r} 0341 \\ 4382 \\ 8422 \end{array} $	$\begin{array}{c} 4786 \\ 8826 \end{array}$	1149 5190 9230	7513 1554 5594 9634 3674	$\frac{1958}{5998} \\ \frac{5998}{0038}$	$\frac{6402}{0442}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10750 51 52 53 54 55	$\begin{array}{c} 8926 \\ 0315 \ 2965 \end{array}$	5290 9329 3368 7407	$\begin{array}{c} 5694 \\ 9733 \end{array}$	$\begin{array}{c} 6098 \\ \hline 0137 \\ 4176 \\ 8215 \end{array}$	$\frac{6502}{0541}$	$\begin{array}{r} 6906 \\ \hline 0945 \\ 4984 \\ 9022 \end{array}$	$\frac{7310}{1349}$ 5388	$\frac{7714}{1753}$ 5792 9830	$\begin{array}{c} 4078 \\ \underline{8118} \\ \underline{2157} \\ \underline{6196} \\ 0234 \\ 4272 \end{array}$	$\frac{8522}{2561}$ 6599	
56 57 58 59 60 10761	$\begin{array}{r} 9117 \\ 0317 \ 3154 \\ 7191 \\ 0318 \ 1227 \end{array}$	7594	9924 3961 7998 2034	$\overline{0328}$ 4365 8402 2438	$ \begin{array}{r} 07\overline{32} \\ 4769 \\ 8805 \\ 2842 \end{array} $	5172 9209 3245	1539 5576 9613 3649	$\overline{0}\overline{0}\overline{1}\overline{6}$	$\begin{array}{r} \overline{2347} \\ 6383 \\ \overline{0420} \\ 4456 \end{array}$	$\overline{0824}$	404 1 40 2 81 3 121 4 162 5 202 6 242
62 63 64 65 66	$0319 3334 \\ 7369 \\ 0320 1403$	$9702 \\ 3738 \\ 7772$	$ \begin{array}{r} 0\overline{106} \\ 4141 \\ 8176 \\ 2210 \end{array} $	$ \begin{array}{r} 0509 \\ 4545 \\ 8579 \\ 2614 \end{array} $	$ \begin{array}{r} \hline{0913} \\ 4948 \\ 8983 \\ 3017 \end{array} $	$\overline{1316}$ 5352 9386 3421	1720 5755 9790 3824	$\begin{array}{c} \overline{2123} \\ 6158 \\ \overline{0193} \\ 4227 \end{array}$	$\frac{\overline{2527}}{6562}$	$\begin{array}{c} \overline{2931} \\ \underline{6965} \\ \overline{1000} \\ 5034 \end{array}$	7 283 8 323 9 364
67 68 69 70 10771	$\begin{array}{r} 9471 \\ 0321 3505 \\ 7538 \\ 0322 1570 \end{array}$	$9875 \\ 3908 \\ 7941$	$\overline{0278}$ 4311 8344 2377	$\overline{0681}$ 4715 8748 2780	1085 5118 9151 3183	1488 5521 9554 3587	1891 5925 9957 3990	$\begin{array}{c} \overline{2295} \\ \underline{6328} \\ \overline{0361} \end{array}$	$\begin{array}{r} 2698 \\ 6731 \\ \hline 0764 \\ 4796 \end{array}$	$\begin{array}{c} \overline{3101} \\ \underline{7134} \\ \overline{1167} \end{array}$	403 1 40
72 73 74 75 76	$\begin{array}{r} 9634 \\ 03233666 \\ 7697 \\ 03241728 \end{array}$	$\overline{0038} \\ 4069 \\ 8100$	$ \begin{array}{r} \hline 0441 \\ 4472 \\ 8503 \\ 2534 \end{array} $	0844 4875 8906 2937	$\frac{\overline{1247}}{5278}$	$\overline{1650}$ 5682 9713 3743	$\begin{array}{r} 2053 \\ 6085 \\ \hline 0116 \\ 4146 \end{array}$	$\overline{2457}$	$\begin{array}{r} 2860 \\ 6891 \\ \hline 0922 \\ 4952 \end{array}$	$\overline{3263}$	2 81 3 121 4 161 5 202 6 242 7 282
77 78 79 80	$\begin{array}{r} 9788 \\ 0325 3818 \\ 7847 \\ 0326 1876 \end{array}$	$\begin{array}{c} \overline{0191} \\ 4221 \\ 8250 \end{array}$	$ \begin{array}{r} \overline{0594} \\ 4624 \\ 8653 \\ 2682 \end{array} $	$\overline{0997}$ 5027 9056 3085	$\overline{1400}$ 5430 9459 3488	$\overline{1803}$ 5833 9862 3890	$\begin{array}{c} \overline{2206} \\ \underline{6236} \\ \overline{0265} \end{array}$	$\begin{array}{r} 2609 \\ 6638 \\ \hline 0667 \\ 4696 \end{array}$	$\frac{3012}{7041}$	$\frac{3415}{7444}$ $\frac{1473}{1473}$	8 322 9 363
10781 82 83 84 85	$\begin{array}{r} 9933 \\ 03273961 \\ 7988 \\ 03282015 \end{array}$	0336 4363 8391 2418	$ \begin{array}{r} 0738 \\ 4766 \\ 8793 \\ 2820 \end{array} $	$9196 \\ 3223$	5572 9599 3626	$ \begin{array}{r} \hline 1947 \\ 5974 \\ \hline 0001 \\ 4028 \end{array} $	$\begin{array}{c} \overline{2349} \\ 6377 \\ \overline{0404} \\ 4431 \end{array}$	$\begin{array}{r} 2752 \\ 6780 \\ \hline 0807 \\ 4834 \end{array}$	$ \begin{array}{r} \hline 3\overline{155} \\ 7182 \\ \hline 1210 \\ 5236 \end{array} $	$\frac{3558}{7585}$ $\frac{7585}{1612}$ 5639	402 1 40 2 80
86 87 88 89 90	$03290068\\4094\\8119\\03302144$	$4496 \\ 8522 \\ 2547$	0873 4899 8924 2949	1276 5301 9327 3352	5704 9729 3754	$\begin{array}{c} 2081 \\ \underline{6107} \\ 0132 \\ 4157 \end{array}$	$\begin{array}{r} 6509 \\ \hline 0534 \\ 4559 \end{array}$	$\begin{array}{c} 2886 \\ \underline{6912} \\ 0937 \\ 4962 \end{array}$	5364	$\frac{7717}{1742}$ 5767	3 121 4 161 5 201 6 241 7 284 8 322
10791 92 93 94 95	$03310194\\4218\\8241\\03322265$	4620 8644 2667	0999 5022 9046 3069	$1401 \\ 5425 \\ 9448 \\ 3472$	7779 1803 5827 9851 3874	$\begin{array}{c} 2206 \\ \underline{6230} \\ 0253 \\ 4276 \end{array}$	$\begin{array}{c} 2608 \\ \underline{6632} \\ \overline{0655} \\ 4678 \end{array}$	$\frac{7034}{1058}$ 5081	$ \begin{array}{r} 3413 \\ 7437 \\ \hline 1460 \\ 5483 \end{array} $	$\frac{7839}{1862}$ 5885	9 362
96 97 98 99 10800	0333 0310 4332 8354	$\frac{4735}{8756}$	$\frac{1115}{5137}$	$1517 \\ 5539$	1919 5941	6343	$ \begin{array}{r} 8701 \\ 2723 \\ \hline 6745 \\ \hline 0767 \end{array} $	$\frac{3126}{7148}$	$\begin{array}{r} 9506 \\ 3528 \\ 7550 \\ \hline 1571 \end{array}$	$\frac{3930}{7952}$	

REDUCTION OF COMMON TO NAPERIAN LOGARITHMS.

Com. Log.	Naperian Log.	Com. Log.	Naperian Log.	Com. Log.	Naperian Log.	Com. Log.	Naperian Log.
1	2:30258509	26	59.86721242	51	117.43183974	76	174 99646707
	4.60517019	27	62.16979751	52	119.73442484	77	177 29905216
2 3 4	6.90775528	28	64.47238260	53	122.03700993	78	179.60163725
4	9.21034037	29	66.77496770	54	124 33959502	79	181 90422235
5	11.51292546	30	69 07755279	55	126.64218011	80	184 20680744
6	13.81551056	31	71:38013788	56	128.94476521	81	186.50939253
7	16·11809565	32	73.68272298	57	131 24735030	82	188.81197763
8	18.42068074	33	75.98530807	58	133.54993539	83	191 11456272
. 9	20.72326584	34	78 28789316	59	135.85252049	84	193.41714781
10	23.02585093	35	80.59047825	60	138 15510558	85	195.71973290
11	25.32843602	36	82.89306335	61	140.45769067	86	198.02231800
12	27.63102112	37	85.19564844	62	142.76027576	87	200.32490309
13	29.93360621	38	87 49823353	63	145.06286086	88	202.62748818
14	32.23619130	39	89.80081863	64	147:36544595	89	204 • 93007328
15	34 53877639	40	92.10340372	65	149.66803104	90	207 23265837
16	36.84136149	41	94.40598881	66	151.97061614	91	209.53524346
17	39.14394658	42	96.70857391	67	154 27320123	92	211.83782856
18	41.44653167	43	99.01115900	68	156.57578632	93	214 14041365
19	43.74911677	44	101 31374409	69	158.87837142	94	216 44299874
20	46.05170186	45	103.61632918	70	161 18095651	95	218.74558383
21	48.35428695	46	105 91891428	71	163.48354160	96	221.04816893
22	50 65687205	47	108 22149937	72	165.78612670	97	223 35075402
23	52.95945714	48	110.52408446	73	168 08871179	98	225.65333911
24	55.26204223	49	112.82666956	74	170 39129688	99	227.95592421
25	57 56462732	50	115.12925465	75	172.69388197	100	230 • 25850930

REDUCTION OF NAPERIAN TO COMMON LOGARITHMS.

Nap. Log.	Common Log.	Nap. Log.	Common Log.	Nap. Log.	Common Log.	Nap. Log.	Common Log.
1	0.43429448	26	11.29165653	51	22:14901858	76	33.00638062
	0.86858896	27	11.72595101	52	22.58331306	77	33.44067511
3	1.30288345	28	12.16024549	53	23.01760754	78	33.87496959
2 3 4 5	1.73717793	29	12:59453998	54	23.45190202	79	34.30926407
5	2.17147241	30	13.02883446	55	23.88619650	80	34.74355855
6	2.60576689	31	13:46312894	56	24.32049099	81	35.17785303
7	3.04006137	32	13.89742342	57	24.75478547	82	35.61214752
8	3.47435586	33	14:33171790	58	25 18907995	83	36.04644200
9	3.90865034	34	14.76601238	59	25.62337443	84	36.48073648
10	4.34294482	35	15.20030687	60	26.05766891	85	36.91503096
11	4.77723930	36	15 63460135	61	26.49196340	86	37*34932544
12	5.21153378	37	16.06889583	62	26.92625788	87	37.78361993
13	5.64582826	38	16.50319031	63	27:36055236	88	38.21791441
14	6.08012275	39	16.93748479	64	27.79484684	89	38.65220889
15	6.51441723	40	17.37177928	65	28.22914132	90	39.08650337
16	6.94871171	41	17.80607376	66	28.66343581	91	39.52079785
17	7.38300619	42	18.24036824	67	29.09773029	92	39.95509234
18	7.81730067	43	18 67466272	68	29.53202477	93	40.38938682
19	8.25159516	44	19.10895720	69	29.96631925	94	40.82368130
20	8.68588964	45	19.54325169	70	30.40061373	95	41.25797578
21	9.12018412	46	19.97754617	71	30.83490822	96	41.69227026
22	9.55447860	47	20.41184065	72	31.26920270	97	42.12656474
23	9.98877308	48	20.84613513	73	31.70349718	98	42.56085923
24	10.42306757	49	21.28042961	74	32.13779166	99	42.99515371
25	10.85736205	50	21.71472410	75	32.57208614	100	48.42944819

		o Deg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0 1 2 3 4 5	In. Neg. 6:4637261 6:7647561 6:9408473 7:0657860 7:1626960	Infin. 3010300 1760912 1249387 969100 791811	Infinite 13:5362739 13:2352439 13:0591527 12:9342140 12:8373040	In. Neg. 6·4637261 6·7647562 6·9408475 7·0657863 7·1626964	Infin. 3010301 1760913 1249388 969101 791814	Infinite 13·5362739 13·2352438 13·0591525 12·9342137 12·8373036	10.0000000 10.0000000 10.0000001 10.0000002 10.0000003 10.0000005		10.0000000 10.0000000 9.999999 9.9999998 9.9999997 9.9999995	60 59 58 57 56 55
	6 7 8 9 10	7·2418771 7·3088239 7·3668157 7·4179681 7·4637255	669468 579918 511524 457574 413926	12·7581229 12·6911761 12·6331843 12·5820319 12·5362745	7·2418778 7·3088248 7·3668169 7·4179696 7·4637273	669470 579921 511527 457577 413930	12·7581222 12·6911752 12·6331831 12·5820304 12·5362727	$\begin{array}{c} 10.0000007 \\ 10.0000009 \\ 10.0000012 \\ 10.0000015 \\ 10.0000018 \end{array}$	2 3 3 4	9·999993 9·999991 9·9999988 9·9999985 9·9999982	54 53 52 51 50
	11 12 13 14 15	7:5051181 7:5429065 7:5776684 7:6098530 7:6398160	377884 347619 321846 299630 280285	12·4948819 12·4570935 12·4223316 12·3901470 12·3601840	7:5051203 7:5429091 7:5776715 7:6098566 7:6398201	377888 347624 321851 299635 280291	12·4948797 12·4570909 12·4223285 12·3901434 12·3601799	$\begin{array}{c} 10 \cdot 0000022 \\ 10 \cdot 0000026 \\ 10 \cdot 0000031 \\ 10 \cdot 0000036 \\ 10 \cdot 0000041 \end{array}$	4 5 5 6	9·999978 9·9999974 9·9999969 9·9999964 9·9999959	49 48 47 46 45
	16 17 18 19 20	7·6678445 7·6941733 7·7189966 7·7424775 7·7647537	263288 248233 234809 222762 211890	12:3321555 12:3058267 12:2810034 12:2575225 12:2352463	7·6678492 7·6941786 7·7190026 7·7424841 7·7647610	263294 248240 234815 222769 211898	12·3321508 12·3058214 12·2809974 12·2575159 12·2352390	$\begin{array}{c} 10.0000047 \\ 10.0000053 \\ 10.0000060 \\ 10.0000066 \\ 10.0000073 \end{array}$	6 7 6 7 8	9:9999953 9:9999947 9:9999940 9:9999934 9:9999927	44 43 42 41 40
	21 22 23 24 25	7·7859427 7·8061458 7·8254507 7·8439338 7·8616623	202031 193049 184831 177285 170330	12·2140573 12·1938542 12·1745493 12·1560662 12·1383377	7·7859508 7·8061547 7·8254604 7·8439444 7·8616738	202039 193057 184840 177294 170339	$\begin{array}{c} 12 \cdot 2140492 \\ 12 \cdot 1938453 \\ 12 \cdot 1745396 \\ 12 \cdot 1560556 \\ 12 \cdot 1383262 \end{array}$	$\begin{array}{c} 10.0000081 \\ 10.0000089 \\ 10.0000097 \\ 10.0000106 \\ 10.0000115 \end{array}$	8 8 9 9	9.9999919 9.9999911 9.9999903 9.9999894 9.9999885	39 38 37 36 35
SAN PRANCISCO	26 27 28 29 30	7·8786953 7·8950854 7·9108793 7·9261190 7·9408419	163901 157939 152397 147229 142400	$\begin{array}{c} 12 \cdot 1213047 \\ 12 \cdot 1049146 \\ 12 \cdot 0891207 \\ 12 \cdot 0738810 \\ 12 \cdot 0591581 \end{array}$	7·8787077 7·8950988 7·9108938 7·9261344 7·9408584	163911 157950 152406 147240 142412	$\begin{array}{c} 12 \cdot 1212923 \\ 12 \cdot 1049012 \\ 12 \cdot 0891062 \\ 12 \cdot 0738656 \\ 12 \cdot 0591416 \end{array}$	$\begin{array}{c} 10.0000124 \\ 10.0000134 \\ 10.0000144 \\ 10.0000155 \\ 10.0000165 \end{array}$	10 10 11 10 12	9·9999876 9·9999866 9·9999845 9·9999835	34 33 32 31 30
SAR PR	31 32 33 34 35	7 9550819 7 9688698 7 9822334 7 9951980 8 0077867	137879 133636 129646 125887 122340	$\begin{array}{c} 12.0449181 \\ 12.0311302 \\ 12.0177666 \\ 12.0048020 \\ 11.9922133 \end{array}$	7 ·9550996 7 ·9688886 7 ·9822534 7 ·9952192 8 ·0078092	137890 133648 129658 125900 122353	12.0449004 12.0311114 12.0177466 12.0047808 11.9921908	$\begin{array}{c} 10 \cdot 0000177 \\ 10 \cdot 0000188 \\ 10 \cdot 0000200 \\ 10 \cdot 0000212 \\ 10 \cdot 0000225 \end{array}$	11 12 12 13 13	9·9999823 9·9999812 9·9999800 9·9999788 9·9999775	29 28 27 26 25
	36 37 38 39 40	8:0200207 8:0319195 8:0435009 8:0547814 8:0657763	118988 115814 112805 109949 107234	11.9799793 11.9680805 11.9564991 11.9452186 11.9342237	8·0200445 8·0319446 8·0435274 8·0548094 8·0658057	119001 115828 112820 109963 107249	11·9799555 11·9680554 11·9564726 11·9451906 11·9341943	10·0000238 10·0000252 10·0000265 10·0000279 10·0000294	14 13 14 15 15	9·9999762 9·9999748 9·9999735 9·9999721 9·9999706	24 23 22 21 20
I	41 42 43 44 45	8.0764997 8.0869646 8.0971832 8.1071669 8.1169262	104649 102186 99837 97593 95448	11.9235003 11.9130354 11.9028168 11.8928331 11.8830738	8.0765306 8.0869970 8.0972172 8.1072025 8.1169634	104664 102202 99853 97609 95465	11.9234694 11.9130030 11.9027828 11.8927975 11.8830366	10.0000309 10.0000324 10.0000340 10.0000356 10.0000372	15 16 16 16 16	9·9999691 9·9999676 9·9999660 9·9999644 9·9999628	19 18 17 16 15
	46 47 48 49 50	8·1264710 8·1358104 8·1449532 8·1539075 8·1626808	93394 91428 89543 87733 85996	11·8735290 11·8641896 11·8550468 11·8460925 11·8373192	8·1265099 8·1358510 8·1449956 8·1539516 8·1627267	93411 91446 89560 87751 86615	11.8734901 11.8641490 11.8550044 11.8460484 11.8372733	$\begin{array}{c} 10 \cdot 0000389 \\ 10 \cdot 0000406 \\ 10 \cdot 0000423 \\ 10 \cdot 0000441 \\ 10 \cdot 0000459 \end{array}$	17 17 18 18 19	9·9999611 9·9999594 9·9999577 9·9999559 9·9999541	14 13 12 11 10
The Real Property lies and the least of the	51 52 53 54 55	8·1712804 8·1797129 8·1879848 8·1961020 8·2040703	84325 82719 81172 79683	11.8287196 11.8202871 11.8120152 11.8038980 11.7959297	8·1713282 8·1797626 8·1880364 8·1961556 8·2041259	84344 82738 81192 79703 78267	11.8286718 11.8202374 11.8119636 11.8038444 11.7958741	$\begin{array}{c} 10.0000478 \\ 10.0000497 \\ 10.0000516 \\ 10.0000536 \\ 10.0000556 \end{array}$	19 19 20 20 20	9*9999522 9*9999503 9*9999484 9*9999464 9*9999444	9 8 7 6 5
The second second	56 57 58 59 60	8·2118949 8·2195811 8·2271335 8·2345568 8·2418553	76862 75524 74233	11.7881051 11.7804189 11.7728665 11.7654432 11.7581447	8·2119526 8·2196408 8·2271953 8·2346208 8·2419215	76882 75545 74255 73007	11.7880474 11.7803592 11.7728047 11.7653792 11.7580785	10.0000576 10.0000597 10.0000618 10.0000640 10.0000662	21 21 22 22 22	9*9999424 9*9999403 9*9999382 9*9999360 9*9999338	4 3 2 1 0
	,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
1		1									1

,	Sine	D:er	Conna	Tong	Diff.	Cotang	Secant	D,	Cosine	
		Diff.	Cosec.	Tang.	Din.	Cotang.		D.		
0	8.2418553	71779	11.7581447	8.2419215	71800	11.7580785	10.0000662	22	9.9999338	1
1 2	8·2490332 8·2560943	70611	11.7509668 11.7439057	8·2491015 8·2561649	70634	11.7508985 11.7438351	10 0000684 10 0000706	22	9·9999316 9·9999294	
3	8 2630424	69481	11 7369576	8.2631153	69504	11.7368847	10.0000700	23	9.9999271	
4	8.2698810	68386	11.7301190	8.2699563	68410	11.7300437	10.0000753	24	9.9999247	
5	8.2766136	67326 66298	11.7233864	8.2766912	67349 66322	11.7233088	10.0000776	$\frac{23}{24}$	9.9999224	
6	8.2832434	65300	11.7167566	8.2833234	65325	11.7166766	10.0000800	25	9.9999200	-
7	8.2897734	64333	11.7102266	8.2898559	64358	11.7101441	10.0000825	25	9.9999175	
8	8 · 2962067 8 · 3025460	63393	11.7037933	8.2962917	63418	11.7037083 11.6973665	10.0000850 10.0000875	25	9·9999150 9·9999125	
10	8.3087941	62481	11.6974540 11.6912059	8·3026335 8·3088842	62507	11.6911158	10.0000818	25	9.9999100	
11	8.3149536	61595	11.6850464	8.3150462	61620	11.6849538	10.0000926	26	9.9999074	
12	8.3210269	60733	11.6789731	8.3211221	60759	11.6788779	10.0000953	27	9.9999047	
13	8.3270163	59894 59080	11.6729837	8.3271143	59922	11.6728857	10.0000979	26 27	9.9999021	1
14	8 3329243	58286	11 6670757	8.3330249	59106 58314	11.6669751	10.0001006	28	9.9998994	i
15	8.3387529	57514	11.6612471	8,3388563	57542	11.6611437	10.0001034	27	9.9998966	1
16	8.3445043	56762	11.6554957	8.3446105	56790	11.6553895	10.0001061	28	9.9998939	1
17	8.3501805	56030	11.6498195	8:3502895	56058	11.6497105 11.6441047	10.0001089 10.0001118	29	9.9998911	1
18 19	8·3557835 8·3613150	55315	11.6442165 11.6386850	8·3558953 8·3614297	55344	11.6385703	10.0001113	29	9·9998882 9·9998853	
žő	8.3667769	54619	11.6332231	8.3668945	54648	11.6331055	10.0001176	29 30	9.9998824	1
21	8.3721710	53941	11.6278290	8.3722915	53970	11.6277085	10.0001206		9.9998794	1
22	8.3774988	53278	11.6225012	8.3776223	53308	11.6223777	10.0001236	30	9.9998764	
23	8.3827620	52632 52002	11.6172380	8.3828886	52663 52032	11.6171114	10.0001266	$\frac{30}{31}$	9.9998734	1
24	8.3879622	51386	11 6120378	8.3880918	51418	11.6119082	10.0001297	31	9.9998703	1
25	8.3931008	50785	11.6068992	8.3932336	50816	11.6067664	10.0001328	31	9.9998672	
26	8.3981793	50197	11.6018207	8.3983152	50229	11.6016848	10.0001359	32	9.9998641	
27	8.4031990	49624	11.5968010	8.4033381	49656	11.5966619	10.0001391	32	9.9998609	
28 29	8·4081614 8·4130676	49062	11.5918386 11.5869324	8·4083037 8·4132132	49095	11.5916963 11.5867868	10.0001423 10.0001456	33	9·9998577 9·9998544	
30	8.4179190	48514	11.5820810	8.4180679	48547	11.5819321	10.0001489	33	9.9998511	
31	8.4227168	47978	11.5772832	8.4228690	48011	11.5771310	10.0001522	33	9.9998478	١.
32	8.4274621	47453 46940	11.5725379	8.4276176	$47486 \\ 46974$	11.5723824	10.0001555	33	9.9998445	
33	8.4321561	46438	11.5678439	8.4323150	46472	11.5676850	10.0001589	34 35	9.9998411	1
34 35	8.4367999	45945	11.5632001	8.4369622	45981	11.5630378	10.0001624	35	9.9998376	
- 1	8.4413944	45465	11.5586056	8.4415603	45500	11.5584397	10.0001659	35	9.9998341	1
36 37	8.4459409	44993	11.5540591	8.4461103	45028	11.5538897	10.0001694	35	9.9998306	
88	8·4504402 8·4548934	44532	11.5495598 11.5451066	8·4506131 8·4550699	44568	11.5493869 11.5449301	10.0001729 10.0001765	36	9·9998271 9·9998235	
39	8.4593013	44079	11.5406987	8.4594814	44115	11.5405186	10.0001801	36	9.9998199	
10	8.4636649	43636 43201	11.5363351	8.4638486	$\frac{43672}{43239}$	11.5361514	10.0001838	37 37	9.9998162	1
1	8.4679850		11.5320150	8.4681725		11.5318275	10.0001875		9.9998125	1
2	8.4722626	$\frac{42776}{42358}$	11.5277374	8.4724538	$\frac{42813}{42395}$	11.5275462	10.0001912	37 38	9.9998088	
3	8.4764984	41948	11.5235016	8.4766933	41987	11.5233067	10.0001950	38	9.9998050	
14	8·4806932 8·4848479	41547	11.5193068 11.5151521	8·4808920 8·4850505	41585	11.5191080 11.5149495	10.0001988 10.0002026	38	9.9998012	
- 1		41153			41191			39	9.9997974	
6	8·4889632 8·4930398	40766	11.5110368	8.4891696	40806	11.5108304	10:0002065	39	9.9997935	1
7	8.4970784	40386	11.5069602 11.5029216	8·4932502 8·4972928	40426	11.5067498 11.5027072	10.0002104 10.0002144	40	9·9997896 9·9997856	
9	8.5010798	40014	11.4989202	8.5012982	40054	11.4987018	10.0002144	39	9 9997817	
0	8.5050447	39649 39289	11.4949553	8.5052671	39689 39330	11.4947329	10.0002224	41 40	9.9997776	
1	8.5089736	38937	11.4910264	8.5092001	38977	11.4907999	10.0002264		9.9997736	
2	8.5128673	38937 38591	11.4871327	8.5130978	38977 38632	11.4869022	10.0002305	41 42	9.9997695	
3	8.5167264	38250	11.4832736	8.5169610	38292	11.4830390	10.0002347	41	9.9997653	
5	8·5205514 8·5243430	37916	11·4794486 11·4756570	8·5207902 8·5245860	37958	11·4792098 11·4754140	10.0002388 10.0002430	42	9.9997612	
- 1		37587			37630			43	9.9997570	
6	8·5281017 8·5318281	37264	11·4718983 11·4681719	8·5283490 8·5320797	37307	11.4716510	10:0002473	43	9.9997527	
8	8.5355228	36947	11 4644772	8.5357787	36990	11·4679203 11·4642213	10.0002516 10.0002559	43	9.9997484	
9	8.5391863	36635	11.4608137	8.5394466	36679	11.4605534	10.0002602	43	9.9997398	
10	8.5428192	36329	11.4571808	8.5430838	36372	11.4569162	10.0002646	44	9.9997354	
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

2 Deg.

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4	8·5428192 8·5464218 8·5499948 8·5535386 8·5570536	36026 35730 35438 35150	11:4571808 11:4535782 11:4500052 11:4464614 11:4429464	8·5430838 8·5466909 8·5502683 8·5538166 8·5573362	36071 35774 35483 35196	11.4569162 11.4533091 11.4497317 11.4461834 11.4426638	10.0002646 10.0002691 10.0002735 10.0002780 10.0002826	45 44 45 46	9·9997354 9·9997309 9·9997265 9·9997220 9·9997174	60 59 58 57 56
5 5 6 6 7 8 9 10	8·5605404 8·5639994 8·5674310 8·5708357 8·5742139 8·5775660	34868 34590 34316 34047 33782 33521 33263	11.4394596 11.4360006 11.4325690 11.4291643 11.4257861 11.4224340	8·5608276 8·5642912 8·5677275 8·5711368 8·5745197 8·5778766	34914 34636 34363 34093 33829 33569 33311	11·4391724 11·4357088 11·4322725 11·4288632 11·4254803 11·4221234	10·0002872 10·0002918 10·0002964 10·0003011 10·0003058 10·0003106	46 46 47 47 48 48	9·9997128 9·9997082 9·9997036 9·999689 9·9996894	55 54 53 52 51 50
11 12 13 14 15	8·5808923 8·5841933 8·5874694 8·5907209 8·5939483	33010 32761 32515 32274 32034	11:4191077 11:4158067 11:4125306 11:4092791 11:4060517 11:4028483	8·5812077 8·5845136 8·5877945 8·5910509 8·5942832 8·5974917	33059 32809 32564 32323 32085	11:4187923 11:4154864 11:4122055 11:4089491 11:4057168 11:4025083	10:0003154 10:0003202 10:0003251 10:0003300 10:0003350	48 49 49 50 49	9·9996846 9·9996798 9·9996749 9·9996700 9·9996650 9·9996601	49 48 47 46 45
17 18 19 20 21	8.5971517 8.6003317 8.6034886 8.6066226 8.6097341 8.6128235	31800 31569 31340 31115 30894	11 3996683 11 3965114 11 3933774 11 3902659 11 3871765	8·6006767 8·6038386 8·6069777 8·6100943 8·6131889	31850 31619 31391 31166 30946	11 3993233 11 3961614 11 3930223 11 3899057	10 0003599 10 0003450 10 0003500 10 0003551 10 0003602	51 50 51 51 52	9·9996550 9·9996500 9·9996449 9·9996398 9·9996346	43 42 41 40
22 23 24 25 26	8·6158910 8·6189369 8·6219616 8·6249653 8·6279484	30675 30459 30247 30037 29831	11:3841090 11:3810631 11:3780384 11:3750347 11:3720516	8·6162616 8·6193127 8·6223427 8·6253518 8·6283402	30727 30511 30300 30091 29884	11 :3837384 11 :3806873 11 :3776573 11 :3746482 11 :3716598	10·0003706 10·0003758 10·0003811 10·0003864 10·0003918	52 53 53 54	9·9996294 9·9996242 9·9996189 9·9996136	38 37 36 35
27 28 29 30 31	8·6309111 8·6338537 8·6367764 8·6396796 8·6425634	29627 29426 29227 29032 28838	11:3690889 11:3661463 11:3632236 11:3603204 11:3574366	8.6313083 8.6342563 8.6371845 8.6400931 8.6429825	29681 29480 29282 29086 28894	11:3686917 11:3657437 11:3628155 11:3599069 11:3570175	10·0003972 10·0004026 10·0004081 10·0004135 10·0004191	54 54 55 54 56	9·9996028 9·9995974 9·9995919 9·9995865 9·9995809	33 32 31 30 29
32 33 34 35 36	8·6454282 8·6482742 8·6511016 8·6539107 8·6567017	28648 28460 28274 28091 27910	11:3545718 11:3517258 11:3488984 11:3460893 11:3432983	8.6458528 8.6487044 8.6515375 8.6543522 8.6571490	28703 28516 28331 28147 27968 27789	11 ·3541472 11 ·3512956 11 ·3484625 11 ·3456478 11 ·3428510	10·0004247 10·0004303 10·0004359 10·0004416 10·0004473	56 56 56 57 57	9·9995753 9·9995697 9·9995641 9·9995584 9·9995527	28 27 26 25 24
37 38 39 40 41	8.6594748 8.6622303 8.6649684 8.6676893 8.6703932	27731 27555 27381 27209 27039	11:3405252 11:3377697 11:3350316 11:3323107 11:3296068	8.6599279 8.6626891 8.6654331 8.6681598 8.6708697	27612 27440 27267 27099	11·3400721 11·3373109 11·3345669 11·3318402 11·3291303	10·0004531 10·0004589 10·0004647 10·0004705 10·0004764	58 58 58 59	9·9995469 9·9995411 9·9995353 9·9995295 9·9995236	23 22 21 20 19
42 43 44 45 46	8.6730804 8.6757510 8.6784052 8.6810433 8.6836654	26872 26706 26542 26381 26221	11·3269196 11·3242490 11·3215948 11·3189567 11·3163346	8·6735628 8·6762393 8·6788996 8·6815437 8·6841719	26931 26765 26603 26441 26282	11·3264372 11·3237607 11·3211004 11·3184563 11·3158281	10.0004824 10.0004884 10.0004944 10.0005004	60 60 60 61	9·9995176 9·9995116 9·9995056 9·9994996 9·9994935	18 17 16 15
47 48 49 50 51	8.6862718 8.6888625 8.6914379 8.6939980 8.6965431	26064 25907 25754 25601 25451	11·3137282 11·3111375 11·3085621 11·3060020 11·3034569	8.6867844 8.6893813 8.6919629 8.6945292 8.6970806	26125 25969 25816 25663 25514	11:3132156 11:3106187 11:3080371 11:3054708 11:3029194	10·0005126 10·0005188 10·0005250 10·0005312 10·0005375	61 62 62 62 63	9·9994874 9·9994812 9·9994750 9·9994688 9·9994625	13 12 11 10 9
52 53 54 55 56	8.6990734 8.7015889 8.7040899 8.7065766 8.7090490	25303 25155 25010 24867 24724 24585	11:3009266 11:2984111 11:2959101 11:2934234 11:2909510	8.6996172 8.7021390 8.7046465 8.7071395 8.7096185	25366 25218 25075 24930 24790 24649	11:3003828 11:2978610 11:2953535 11:2928605 11:2903815	10.0005438 10.0005502 10.0005565 10.0005630 10.0005694	63 64 63 65 64 65	9·9994562 9·9994498 9·9994370 9·9994306	8 7 6 5
57 58 59 60	8·7115075 8·7139520 8·7163829 8·7188002	24385 24445 24309 24173 Diff.	11·2884925 11·2860480 11·2836171 11·2811998 Secant	8·7120834 8·7145345 8·7169719 8·7193958	24511 24374 24239 Diff.	11·2879166 11·2854655 11·2830281 11·2806042	10.0005759 10.0005824 10.0005890 10.0005956 Cosec.	65 66 66 D.	9·9994241 9·9994176 9·9994110 9·9994044 Sine	3 2 1 0
	Cosine	DIII.	secant	Cotang.	DIII.	Tang.	Cosec.	D.	oine	

- 1										_
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0 1 2 3	8·7188002 8·7212040 8·7235946 8·7259721	24038 23906 23775 23645	11·2811998 11·2787960 11·2764054 11·2740279	8·7193958 8·7218063 8·7242035 8·7265877	24105 23972 23842 23712	11·2806042 11·2781937 11·2757965 11·2734123	10.0005956 10.0006022 10.0006089 10.0006156	66 67 67 68	9·9994044 9·9993978 9·9993911 9·9993844	6 5 5 5
5	8.7283366 8.7306882	23516 23390	11·2716634 11·2693118	8·7289589 8·7313174	23585 23457	11·2710411 11·2686826	10.0006224 10.0006292	68 68	9·9993776 9·9993708	5
6 7 8 9	8·7330272 8·7353535 8·7376675 8·7399691	23263 23140 23016 22895	11·2669728 11·2646465 11·2623325 11·2600309	8.7336631 8.7359964 8.7383172 8.7406258	23333 23208 23086	11.2663369 11.2640036 11.2616828 11.2593742	10.0006360 10.0006428 10.0006497 10.0006567	68 69 70	9·9993640 9·9993572 9·9993503 9·9993433	5555
10 11	8.7422586 8.7445360	22895 22774 22655	11·2577414 11·2554640	8·7429222 8·7452067	22964 22845 22725	11·2570778 11·2547933	10.0006636 10.0006707	69 71 70	9·9993364 9·9993293	4
12 13 14 15	8.7468015 8.7490553 8.7512973 8.7535278	22538 22538 22420 22305 22191	11·2531985 11·2509447 11·2487027 11·2464722	8·7474792 8·7497400 8·7519892 8·7542269	22608 22492 22377 22262	11·2525208 11·2502600 11·2480108 11·2457731	10.0006777 10.0006848 10.0006919 10.0006991	71 71 72 71	9·9993223 9·9993152 9·9993081 9·9993009	4 4 4
16 17 18 19 20	8.7557469 8.7579546 8.7601512 8.7623366 8.7645111	22077 21966 21854 21745	11:2442531 11:2420454 11:2398488 11:2376634 11:2354889	8.7564531 8.7586681 8.7608719 8.7630647 8.7652465	22150 22038 21928 21818	11·2435469 11·2413319 11·2391281 11·2369353 11·2347535	10.0007062 10.0007135 10.0007207 10.0007280 10.0007354	73 72 73 74	9*9992938 9*9992865 9*9992793 9*9992720 9*9992646	4 4
21 22 23 24 25	8·7666747 8·7688275 8·7709697 8·7731014 8·7752226	21636 21528 21422 21317 21212 21108	11·2333253 11·2311725 11·2290303 11·2268986 11·2247774	8.7674175 8.7695777 8.7717274 8.7738665 8.7759952	21710 21602 21497 21391 21287 21184	11·2325825 11·2304223 11·2282726 11·2261335 11·2240048	10·0007428 10·0007502 10·0007576 10·0007651 10·0007726	74 74 75 75 76	9·9992572 9·9992498 9·9992424 9·9992349 9·9992274	
26 27 28 29 30	8.7773334 8.7794340 8.7815244 8.7836048 8.7856753	21006 20904 20804 20705 20606	11·2226666 11·2205660 11·2184756 11·2163952 11·2143247	8.7781136 8.7802218 8.7823199 8.7844079 8.7864861	21082 20981 20880 20782 20683	11·2218864 11·2197782 11·2176801 11·2155921 11·2135139	10.0007802 10.0007878 10.0007954 10.0008031 10.0008108	76 76 77 77	9·9992198 9·9992122 9·9992046 9·9991969 9·9991892	
31 32 33 34 35	8·7877359 8·7897867 8·7918278 8·7938594 8·7958814	20508 20411 20316 20220 20127	11·2122641 11·2102133 11·2081722 11·2061406 11·2041186	8·7885544 8·7906130 8·7926620 8·7947014 8·7967313	20586 20490 20394 20299 20206	11·2114456 11·2093870 11·2073380 11·2052986 11·2032687	10.0008185 10.0008263 10.0008341 10.0008420 10.0008499	78 78 79 79 79	9·9991815 9·9991737 9·9991659 9·9991580 9·9991501	
36 37 38 39 40	8·7978941 8·7998974 8·8018915 8·8038764 8·8058523	20033 19941 19849 19759 19669	11·2021059 11·2001026 11·1981085 11·1961236 11·1941477	8*7987519 8*8007632 8*8027653 8*8047583 8*8067422	20113 20021 19930 19839 19750	11·2012481 11·1992368 11·1972347 11·1952417 11·1932578	10.0008578 10.0008658 10.0008738 10.0008818 10.0008899	80 80 80 81 81	9:9991422 9:9991342 9:9991262 9:9991182 9:9991101	
41 42 43 44 45	8·8078192 8·8097772 8·8117264 8·8136668 8·8155985	19580 19492 19404 19317 19232	11·1921808 11·1902228 11·1882736 11·1863332 11·1844015	8·8087172 8·8106834 8·8126407 8·8145894 8·8165294	19662 19573 19487 19400 19314	11·1912828 11·1893166 11·1873593 11·1854106 11·1834706	10.0008980 10.0009062 10.0009144 10.0009226 10.0009309	82 82 82 83 83	9·9991020 9·9990938 9·9990856 9·9990774 9·9990691	
46 47 48 49 50	8.8175217 8.8194363 8.8213425 8.8232404 8.8251299	19146 19062 18979 18895 18813	11·1824783 11·1805637 11·1786575 11·1767596 11·1748701	8.8184608 8.8203838 8.8222984 8.8242046 8.8261026	19230 19146 19062 18980 18898	11·1815392 11·1796162 11·1777016 11·1757954 11·1738974	10.0009392 10.0009475 10.0009559 10.0009643 10.0009727	83 84 84 84 85	9·9990608 9·9990525 9·9990441 9·9990357 9·9990273	
51 52 53 54 55	8·8270112 8·8288844 8·8307495 8·8326066 8·8344557	18732 18651 18571 18491 18412	11·1729888 11·1711156 11·1692505 11·1673934 11·1655443	8·8279924 8·8298741 8·8317478 8·8336134 8·8354712	18817 18737 18656 18578 18499	11·1720076 11·1701259 11·1682522 11·1663866 11·1645288	10·0009812 10·0009897 10·0009983 10·0010069 10·0010155	85 86 86 86 87	9·9990188 9·9990103 9·9990017 9·9989931 9·9989845	
56 57 58 59 60	8.8362969 8.8381304 8.8399561 8.8417741 8.8435845	18335 18257 18180 18104	11·1637031 11·1618696 11·1600439 11·1582259 11·1564155	8·8373211 8·8391633 8·8409977 8·8428245 8·8446437	18422 18344 18268 18192	11·1626789 11·1608367 11·1590023 11·1571755 11·1553563	10.0010242 10.0010329 10.0010416 10.0010504 10.0010592	87 87 88 88	9*9989758 9*9989671 9*9989584 9*9989496 9*9989408	

,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3	8·8435845 8·8453874 8·8471827 8·8489707	18029 17953 17880 17805	11·1564155 11·1546126 11·1528173 11·1510293	8·8446437 8·8464554 8·8482597 8·8500566	18117 18043 17969 17895	11·1553563 11·1535446 11·1517403 11·1499434	10·0010592 10·0010681 10·0010770 10·0010859	89 89 89	9·9989408 9·9989319 9·9989230 9·9989141	60 59 58 57
5	8.8507512 8.8525245	17733 17660	11·1492488 11·1474755	8·8518461 8·8536283	$\frac{17822}{17751}$	11·1481539 11·1463717	10:0010948 10:0011038	90 91	9·9989052 9·9988962	56 55
6 7 8 9	8.8542905 8.8560493 8.8578010 8.8595457 8.8612833	17588 17517 17447 17376	11 1457095 11 1439507 11 1421990 11 1404543 11 1387167	8:8554034 8:8571713 8:8589321 8:8606859 8:8624327	17679 17608 17538 17468	11·1445966 11·1428287 11·1410679 11·1393141 11·1375673	10·0011129 10·0011220 10·0011311 10·0011402 10·0011494	91 91 91 92	9.9988871 9.9988780 9.9988689 9.9988598 9.9988506	54 53 52 51 50
11 12 13 14	8.8630139 8.8647376 8.8664545	17306 17237 17169 17101	11·1369861 11·1352624 11·1335455 11·1318354	8.8641725 8.8659055 8.8676317 8.8693511	17398 17330 17262 17194	11·1358275 11·1340945 11·1323683 11·1306489	10.0011586 10.0011679 10.0011772 10.0011865	92 93 93 93	9·9988414 9·9988321 9·9988228 9·9988135	49 48 47
15 16	8.8681646 8.8698680 8.8715646	$17034 \\ 16966$	11·1301320 11·1284354	8·8710638 8·8727699	17127 17061	11·1289362 11·1272301	10.0011959 10.0012053	$\frac{94}{94}$	9·9988041 9·9987947	46 45 44
17 18 19 20	8.8732546 8.8749381 8.8766150 8.8782854	16900 16835 16769 16704 16639	11·1267454 11·1250619 11·1233850 11·1217146	8.8744694 8.8761623 8.8778487 8.8795286	16995 16929 16864 16799 16736	11·1255306 11·1238377 11·1221513 11·1204714	10.0012147 10.0012242 10.0012337 10.0012433	94 95 95 96 96	9·9987853 9·9987758 9·9987663 9·9987567	43 42 41 40
21 22 23 24 25	8.8799493 8.8816069 8.8832581 8.8849031 8.8865418	16576 16512 16450 16387 16325	11·1200507 11·1183931 11·1167419 11·1150969 11·1134582	8.812022 8.828694 8.8845303 8.8861850 8.8878334	16672 16609 16547 16484 16423	11·1187978 11·1171306 11·1154697 11·1138150 11·1121666	10.0012529 10.0012625 10.0012722 10.0012819 10.0012916	96 97 97 97 98	9·9987471 9·9987375 9·9987278 9·9987181 9·9987084	39 38 37 36 35
26 27 28 29 30	8.8881743 8.8898007 8.8914209 8.8930351 8.8946433	16264 16202 16142 16082	11·1118257 11·1101993 11·1085791 11·1069649 11·1053567	8.894757 8.8911119 8.8927420 8.8943660 8.8959842	$\begin{array}{c} 16362 \\ 16301 \\ 16240 \\ 16182 \end{array}$	11·1105243 11·1088881 11·1072580 11·1056340 11·1040158	10.0013014 10.0013112 10.0013210 10.0013309 10.0013409	98 98 99 100	9·9986986 9·9986888 9·9986790 9·9986691 9·9986591	34 33 32 31 30
31 32 33 34 35	8.8962455 8.8978418 8.8994322 8.9010168	16022 15963 15904 15846 15787	11·1037545 11·1021582 11·1005678 11·0989832	8·8975963 8·8992026 8·9008030 8·9023977	16121 16063 16004 15947 15889	11·1024037 11·1007974 11·0991970 11·0976023 11·0960134	10:0013508 10:0013608 10:0013708 10:0013809 10:0013910	99 100 100 101 101	9·9986492 9·9986392 9·9986292 9·9986191	29 28 27 26
36 37 38 39 40	8 9025955 8 9041685 8 9057358 8 9072975 8 9088535 8 9104039	15730 15673 15617 15560 15504	11·0974045 11·0958315 11·0942642 11·0927025 11·0911465 11·0895961	8:9039866 8:9055697 8:9071472 8:9087190 8:9102853 8:9118460	15831 15775 15718 15663 15607	11.0944303 11.0928528 11.0912810 11.0897147 11.0881540	10·0014012 10·0014114 10·0014216 10·0014318 10·0014421	102 102 102 102 103	9.9986090 9.9985988 9.9985886 9.9985784 9.9985682 9.9985579	25 24 23 22 21 20
41 42 43 44 45	8.9119487 8.9134881 8.9150219 8.9165504 8.9180734	15448 15394 15338 15285 15230	11 0880513 11 0865119 11 0849781 11 0834496 11 0819266	8:9134012 8:9149509 8:9164952 8:9180340 8:9195675	15552 15497 15443 15388 15335	11.0865988 11.0850491 11.0835048 11.0819660 11.0804325	10·0014525 10·0014628 10·0014732 10·0014837 10·0014942	104 103 104 105 105	9·9985475 9·9985372 9·9985268 9·9985163 9·9985058	19 18 17 16 15
46 47 48 49 50	8.9195911 8.9211034 8.9226105 8.9241123 8.9256089	15177 15123 15071 15018 14966 14914	11 0804089 11 0788966 11 0773895 11 0758877 11 0743911	8:9210957 8:9226186 8:9241363 8:9256487 8:9271560	15282 15229 15177 15124 15073 15021	11:0789043 11:0773814 11:0758637 11:0743513 11:0728440	10.0015047 10.0015152 10.0015258 10.0015364 10.0015471	105 106 106 107 107	9·9984953 9·9984848 9·9984742 9·9984636 9·9984529	14 13 12 11 10
51 52 53 54 55	8.9271003 8.9285866 8.9300678 8.9315439 8.9330150	14863 14812 14761 14711 14661	11.0728997 11.0714134 11.0699322 11.0684561 11.0669850	8·9286581 8·9301552 8·9316471 8·9331340 8·9346160	14971 14919 14869 14820 14769	$\begin{array}{c} 11.0713419 \\ 11.0698448 \\ 11.0683529 \\ 11.0668660 \\ 11.0653840 \end{array}$	10.0015578 10.0015685 10.0015793 10.0015901 10.0016010	107 108 108 109 109	9·9984422 9·9984315 9·9984207 9·9984099 9·9983990	9 8 7 6 5
56 57 58 59 60	8.9344811 8.9359422 8.9373983 8.9388496 8.9402960	14611 14561 14513 14464	11·0655189 11·0640578 11·0626017 11·0611504 11·0597040	8.9360929 8.9375650 8.9390321 8.9404944 8.9419518	14721 14671 14623 14574	11.0639071 11.0624350 11.0609679 11.0595056 11.0580482	10.0016119 10.0016228 10.0016337 10.0016447 10.0016558	109 109 110 111	9·9983881 9·9983772 9·9983663 9·9983553 9·9983442	4 3 2 1 0
ľ	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,

	5 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	8 9402960 8 9417376 8 9431743 8 9446063 8 9460335 8 9474561	14416 14367 14320 14272 14226 14178	11.0597040 11.0582624 11.0568257 11.0553937 11.0539665 11.0525439	8·9419518 8·9434044 8·9448523 8·9462954 8·9477338 8·9491676	14526 14479 14431 14384 14338 14291	11.0580482 11.0565956 11.0551477 11.0537046 11.0522662 11.0508324	10.0016558 10.0016668 10.0016780 10.0016891 10.0017003 10.0017115	110 112 111 112 112 113	9·9983442 9·9983332 9·9983220 9·9983109 9·9982997 9·9982885	60 59 58 57 56 55
6 7 8 9 10	8.9488739 8.9502871 8.9516957 8.9530996 8.9544991	14132 14086 14039 13995 13949	11.0511261 11.0497129 11.0483043 11.0469004 11.0455009	8·9505967 8·9520211 8·9534410 8·9548564 8·9562672	14244 14199 14154 14108 14063	11.0494033 11.0479789 11.0465590 11.0451436 11.0437328	10.0017228 10.0017340 10.0017454 10.0017567 10.0017682	112 114 113 115 114	9·9982772 9·9982660 9·9982546 9·9982433 9·9982318	54 53 52 51 50
11 12 13 14 15	8.9558940 8.9572843 8.9586703 8.9600517 8.9614288	13903 13860 13814 13771 13726	11:0441060 11:0427157 11:0413297 11:0399483 11:0385712	8·9576735 8·9590754 8·9604728 8·9618659 8·9632545	14019 13974 13931 13886 13843	11:0423265 11:0409246 11:0395272 11:0381341 11:0367455	$\begin{array}{c} 10.0017796 \\ 10.0017911 \\ 10.0018026 \\ 10.0018141 \\ 10.0018257 \end{array}$	115 115 115 116 117	9·9982204 9·9982089 9·9981974 9·9981859 9·9981743	49 48 47 46 45
16 17 18 19 20	8 9628014 8 9641697 8 9655337 8 9668934 8 9682487	13683 13640 13597 13553 13512	11·0371986 11·0358303 11·0344663 11·0331066 11·0317513	8 9646388 8 9660188 8 9673944 8 9687658 8 9701330	13800 13756 13714 13672 13629	11.0353612 11.0339812 11.0326056 11.0312342 11.0298670	10·0018374 10·0018490 10·0018607 10·0018725 10·0018842	116 117 118 117 118	9·9981626 9·9981510 9·9981393 9·9981275 9·9981158	44 43 42 41 40
21 22 23 24 25	8 9695999 8 9709468 8 9722895 8 9736280 8 9749624	13469 13427 13385 13344 13302	11·0304001 11·0290532 11·0277105 11·0263720 11·0250376	8·9714959 8·9728547 8·9742092 8·9755597 8·9769060	13588 13545 13505 13463 13423	11·0285041 11·0271453 11·0257908 11·0244403 11·0230940	10.0018960 10.0019079 10.0019198 10.0019317 10.0019437	119 119 119 120 120	9·9981040 9·9980921 9·9980802 9·9980683 9·9980563	39 38 37 36 35
26 27 28 29 30	8.9762926 8.9776188 8.9789408 8.9802589 8.9815729	13262 13220 13181 13140 13100	11:0237074 11:0223812 11:0210592 11:0197411 11:0184271	8 9782483 8 9795865 8 9809206 8 9822507 8 9835769	13382 13341 13301 13262 13222	11·0217517 11·0204135 11·0190794 11·0177493 11·0164231	10.0019557 10.0019677 10.0019798 10.0019919 10.0020040	120 121 121 121 121 122	9·9980443 9·9980323 9·9980202 9·9980081 9·9979960	34 33 32 31 30
31 32 33 34 35	8 9828829 8 9841889 8 9854910 8 9867891 8 9880834	13060 13021 12981 12943 12903	11·0171171 11·0158111 11·0145090 11·0132109 11·0119166	8.9848991 8.9862173 8.9875317 8.9888421 8.9901487	13182 13144 13104 13066 13027	11.0151009 11.0137827 11.0124683 11.0111579 11.0098513	10.0020162 10.0020284 10.0020407 10.0020530 10.0020653	122 123 123 123 123 124	9·9979838 9·9979716 9·9979593 9·9979470 9·9979347	29 28 27 26 25
36 37 38 39 40	8.9893737 8.9906602 8.9919429 8.9932217 8.9944968	$\begin{array}{c} 12865 \\ 12827 \\ 12788 \\ 12751 \\ 12713 \end{array}$	11·0106263 11·0093398 11·0080571 11·0067783 11·0055032	8·9914514 8·9927503 8·9940454 8·9953367 8·9966243	12909 12951 12913 12876 12838	11:0085486 11:0072497 11:0059546 11:0046633 11:0033757	10.0020777 10.0020901 10.0021025 10.0021150 10.0021275	124 124 125 125 126	9·9979223 9·9979099 9·9978975 9·9978850 9·9978725	24 23 22 21 20
41 42 43 44 45	8.9957681 8.9970356 8.9982994 8.9995595 9.0008160	$\begin{array}{c} 12675 \\ 12638 \\ 12601 \\ 12565 \\ 12527 \end{array}$	11·0042319 11·0029644 11·0017006 11·0004405 10·9991840	8·9979081 8·9991883 9·0004647 9·0017375 9·0030066	$\begin{array}{c} 12802 \\ 12764 \\ 12728 \\ 12691 \\ 12655 \end{array}$	11:0020919 11:0008117 10:9995353 10:9982625 10:9969934	10.0021401 10.0021527 10.0021653 10.0021780 10.0021907	$\begin{array}{c} 126 \\ 126 \\ 127 \\ 127 \\ 127 \\ 127 \end{array}$	9·9978599 9·9978473 9·9978347 9·9978220 9·9978093	19 18 17 16 15
46 47 48 49 50	9.0020687 9.0033179 9.0045634 9.0058053 9.0070436	$\begin{array}{c} 12492 \\ 12455 \\ 12419 \\ 12383 \\ 12348 \end{array}$	10·9979313 10·9966821 10·9954366 10·9941947 10·9929564	9·0042721 9·0055340 9·0067924 9·0080471 9·0092984	12619 12584 12547 12513 12477	10.9957279 10.9944660 10.9932076 10.9919529 10.9907016	10.0022034 10.0022162 10.0022290 10.0022418 10.0022547	128 128 128 129 130	9.9977966 9.9977838 9.9977710 9.9977582 9.9977453	14 13 12 11 10
51 52 53 54 55 56	9.0082784 9.0095096 9.0107374 9.0119616 9.0131823 9.0143996	12312 12278 12242 12207 12173	10.9917216 10.9904904 10.9892626 10.9880384 10.9868177 10.9856004	9·0105461 9·0117903 9·0130310 9·0142682 9·0155021 9·0167325	12442 12407 12372 12339 12304	10.9894539 10.9882097 10.9869690 10.9857318 10.9844979 10.9832675	10.0022677 10.0022806 10.0022936 10.0023067 10.0023197 10.0023328	129 130 131 130 131	9·9977323 9·9977194 9·9977064 9·9976933 9·9976803 9·9976672	9 8 7 6 5
57 58 59 60	9·0143990 9·0156135 9·0168239 9·0180309 9·0192346	12139 12104 12070 12037	10.9843865 10.9831761 10.9819691 10.9807654	9·0167323 9·0179594 9·0191831 9·0204033 9·0216202	12269 12237 12202 12169	10 9832075 10 9820406 10 9808169 10 9795967 10 9783798	10·0023328 10·0023460 10·0023592 10·0023724 10·0023857	132 132 132 133	9·9976540 9·9976408 9·9976276 9·9976143	3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

	o Deg.									
	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·0192346 9·0204348 9·0216318 9·0228254 9·0240157 9·0252027	12002 11970 11936 11903 11870 11838	10.9807654 10.9795652 10.9783682 10.9771746 10.9759843 10.9747973	9·0216202 9·0228338 9·0240441 9·0252510 9·0264548 9·0276552	12136 12103 12069 12038 12004 11972	10.9783798 10.9771662 10.9759559 10.9747490 10.9735452 10.9723448	$\begin{array}{c} 10 \cdot 0023857 \\ 10 \cdot 0023989 \\ 10 \cdot 0024123 \\ 10 \cdot 0024257 \\ 10 \cdot 0024391 \\ 10 \cdot 0024525 \end{array}$	132 134 134 134 134 135	9·9976143 9·9976011 9·9975877 9·9975743 9·9975609 9·9975475	59 58 57 56 55
6	9·0263865	11804	10·9736135	9·0288524	11940	10·9711476	10°0024660	135	9·9975340	54
7	9·0275669	11773	10·9724331	9·0300464	11909	10·9699536	10°0024795	136	9·9975205	53
8	9·0287442	11740	10·9712558	9·0312373	11876	10·9687627	10°0024931	136	9·9975069	52
9	9·0299182	11708	10·9700818	9·0324249	11844	10·9675751	10°0025067	136	9·9974933	51
10	9·0310890	11677	10·9689110	9·0336093	11813	10·9663907	10°0025203	137	9·9974797	50
11	9·0322567	11645	10.9677433	9·0347906	11782	10.9652094	10·0025340	137	9·9974660	49
12	9·0334212	11613	10.9665788	9·0359688	11751	10.9640312	10·0025477	137	9·9974523	48
13	9·0345825	11582	10.9654175	9·0371439	11720	10.9628561	10·0025614	138	9·9974386	47
14	9·0357407	11551	10.9642593	9·0383159	11689	10.9616841	10·0025752	138	9·9974248	46
15	9·0368958	11519	10.9631042	9·0394848	11658	10.9605152	10·0025890	139	9·9974110	45
16	9·0380477	11489	10.9619523	9·0406506	11628	10.9593494	10·0026029	138	9·9973971	44
17	9·0391966	11458	10.9608034	9·0418134	11597	10.9581866	10·0026167	140	9·9973833	43
18	9·0403424	11428	10.9596576	9·0429731	11568	10.9570269	10·0026307	139	9·9973693	42
19	9·0414852	11397	10.9585148	9·0441299	11537	10.9558701	10·0026446	140	9·9973554	41
20	9·0426249	11368	10.9573751	9·0452836	11507	10.9547164	10·0026586	141	9·9973414	40
21	9.0437617	11337	10.9562383	9·0464343	11478	10.9535657	10·0026727	141	9·9973273	39
22	9.0448954	11307	10.9551046	9·0475821	11449	10.9524179	10·0026868	141	9·9973132	38
23	9.0460261	11277	10.9539739	9·0487270	11419	10.9512730	10·0027009	141	9·9972991	37
24	9.0471538	11248	10.9528462	9·0498689	11389	10.9501311	10·0027150	142	9·9972850	36
25	9.0482786	11219	10.9517214	9·0510078	11361	10.9489922	10·0027292	142	9·9972708	35
26	9·0494005	11189	10.9505995	9·0521439	11332	10.9478561	10·0027434	143	9·9972566	34
27	9·0505194	11160	10.9494806	9·0532771	11303	10.9467229	10·0027577	143	9·9972423	33
28	9·0516354	11131	10.9483646	9·0544074	11275	10.9455926	10·0027720	143	9·9972280	32
29	9·0527485	11103	10.9472515	9·0555349	11246	10.9444651	10·0027863	144	9·9972137	31
30	9·0538588	11073	10.9461412	9·0566595	11218	10.9433405	10·0028007	144	9·9971993	30
31	9 0549661	11045	10.9450339	9·0577813	11189	10.9422187	10·0028151	145	9·9971849	29
32	9 0560706	11017	10.9439294	9·0589002	11162	10.9410998	10·0028296	145	9·9971704	28
33	9 0571723	10988	10.9428277	9·0600164	11133	10.9399836	10·0028441	145	9·9971559	27
34	9 0582711	10961	10.9417289	9·0611297	11106	10.9388703	10·0028586	146	9·9971414	26
35	9 0593672	10932	10.9406328	9·0622403	11079	10.9377597	10·0028732	146	9·9971268	25
36	9.0604604	10905	10.9395396	9·0633482	11051	10.9366518	$\begin{array}{c} 10 \cdot 0028878 \\ 10 \cdot 0029024 \\ 10 \cdot 0029171 \\ 10 \cdot 0029318 \\ 10 \cdot 0029465 \end{array}$	146	9·9971122	24
37	9.0615509	10877	10.9384491	9·0644533	11023	10.9355467		147	9·9970976	23
38	9.0626386	10849	10.9373614	9·0655556	10997	10.9344444		147	9·9970829	22
39	9.0637235	10822	10.9362765	9·0666553	10969	10.9333447		147	9·9970682	21
40	9.0648057	10795	10.9351943	9·0677522	10943	10.9322478		148	9·9970535	20
41	9.0658852	10767	10·9341148	9·0688465	10916	10.9311535	$\begin{array}{c} 10.0029613 \\ 10.0029761 \\ 10.0029910 \\ 10.0030059 \\ 10.0030208 \end{array}$	148	9·9970387	19
42	9.0669619	10741	10·9330381	9·0699381	10889	10.9300619		149	9·9970239	18
43	9.0680360	10714	10·9319640	9·0710270	10863	10.9289730		149	9·9970090	17
44	9.0691074	10687	10·9308926	9·0721133	10836	10.9278867		149	9·9969941	16
45	9.0701761	10660	10·9298239	9·0731969	10810	10.9268031		150	9·9969792	15
46	9·0712421	10634	10·9287579	9·0742779	10784	10·9257221	10·0030358	150	9·9969642	14
47	9·0723055	10608	10·9276945	9·0753563	10758	10·9246437	10·0030508	150	9·9969492	13
48	9·0733663	10581	10·9266337	9·0764321	10732	10·9235679	10·0030658	151	9·9969342	12
49	9·0744244	10555	10·9255756	9·0775053	10707	10·9224947	10·0030809	151	9·9969191	11
50	9·0754799	10530	10·9245201	9·0785760	10681	10·9214240	10·0030960	152	9·9969040	10
51 52 53 54 55	9·0765329 9·0775832 9·0786310 9·0796762 9·0807189	10503 10478 10452 10427 10401	$\begin{array}{c} 10.9234671 \\ 10.9224168 \\ 10.9213690 \\ 10.9203238 \\ 10.9192811 \end{array}$	9·0796441 9·0807096 9·0817726 9·0828331 9·0838911	10655 10630 10605 10580 10555	10·9203559 10·9192904 10·9182274 10·9171669 10·9161089	$\begin{array}{c} 10 \cdot 0031112 \\ 10 \cdot 0031264 \\ 10 \cdot 0031416 \\ 10 \cdot 0031569 \\ 10 \cdot 0031722 \end{array}$	152 152 153 153 153	9·9968888 9·9968736 9·9968584 9·9968431 9·9968278	9 8 7 6 5
56 57 58 59 60	9.0817590 9.0827966 9.0838317 9.0848643 9.0858945	10376 10351 10326 10302	10·9182410 10·9172034 10·9161683 10·9151357 10·9141055	9·0849466 9·0859996 9·0870501 9·0880981 9·0891438	10530 10505 10480 10457	10·9150534 10·9140004 10·9129499 10·9119019 10·9108562	10·0031875 10·0032029 10·0032183 10·0032338 10·0032493	154 154 155 155	9·9968125 9·9967971 9·9967817 9·9967662 9·9967507	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
II.										

	7 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.0858945		10.9141055	9.0891438		10.9108562	10.0032493		9.9967507	60
ĭ	9.0869221	10276	10.9130779	9.0901869	10431	10 9098131	10.0032648	155	9.9967352	59
2	9.0879473	10252	10.9120527	9.0912277	10408	10.9087723	10.0032804	156	9.9967196	58
3	9.0889700	10227 10203	10.9110300	9.0922660	10383 10360	10.9077340	10.0032960	156 156	9.9967040	57
4	9.0899903	10179	10.9100097	9.0933020	10335	10.9066980	10.0033116	157	9 9966884	56
5	9.0910082	10155	10.9089918	9.0943355	10312	10.9056645	10.0033273	157	9.9966727	55
6	9.0920237	10130	10.9079763	9.0953667	10288	10.9046333	10.0033430	158	9 9966570	54
7	9.0930367	10107	10.9069633	9.0963955	10264	10.9036045	10.0033588	158	9.9966412	53
8	9.0940474	10082	10.9059526 10.9049444	9·0974219 9·0984460	10241	10.9025781 10.9015540	10.0033746 10.0033904	158	9·9966254 9·9966096	52 51
10	9.0960615	10059	10.9039385	9.0994678	10218	10.9005322	10.0034063	159	9.9965937	50
11	9.0970651	10036	10.9029349	9.1004872	10194	10.8995128	10.0034222	159	9.9965778	49
12	9.0980662	10011	10.9019338	9.1015044	10172	10.8984956	10.0034381	159	9.9965619	48
13	9.0990651	9989 9965	10.9009349	9.1025192	$10148 \\ 10125$	10.8974808	10.0034541	160 160	9.9965459	47
14	9.1000616	9942	10.8999384	9.1035317	10103	10.8964683	10.0034701	161	9.9965299	46
15	9.1010558	9919	10.8989442	9.1045420	10080	10.8954580	10.0034862	161	9.9965138	45
16	9.1020477	9896	10.8979523	9.1055500	10057	10.8944500	10.0035023	161	9.9964977	44
17 18	9.1030373	9873	10.8969627	9.1065557	10034	10.8934443 10.8924409	10.0035184	161	9.9964816	43
19	9·1040246 9·1050096	9850	10.8959754 10.8949904	9·1075591 9·1085604	10013	10.8914396	10.0035345 10.0035507	162	9.9964655 9.9964493	42 41
20	9.1059924	9828	10.8940076	9.1095594	9990	10.8904406	10.0035670	163	9.9964330	40
21	9.1069729	9805	10.8930271	9.1105562	9968	10.8894438	10.0035833	163	9.9964167	39
22	9.1079512	9783	10.8920488	9.1115508	9946	10.8884492	10.0035996	163	9.9964004	38
23	9.1089272	9760	10.8910728	9.1125431	9923	10.8874569	10.0036159	163	9.9963841	37
24	9 1099010	$9738 \\ 9716$	10 8900990	9.1135333	9902 9880	10.8864667	10.0036323	164 164	9.9963677	36
25	9.1108726	9694	10.8891274	9.1145213	9859	10.8854787	10.0036487	165	9.9963513	35
26	9.1118420	9672	10.8881580	9.1155072	9837	10.8844928	10.0036652	165	9.9963348	34
27 28	9.1128092	9650	10.8871908 10.8862258	9.1164909	9815	10.8835091	10.0036817	165	9.9963183	33
29	9·1137742 9·1147370	9628	10.8852630	9·1174724 9·1184518	9794	10.8825276 10.8815482	10.0036982 10.0037148	166	9·9963018 9·9962852	32
30	9.1156977	9607 9585	10.8843023	9.1194291	9773	10.8805709	10.0037314	166	9.9962686	30
31	9.1166562		10.8833438	9.1204043	9752	10.8795957	10.0037481	167	9.9962519	29
32	9.1176125	$9563 \\ 9542$	10.8823875	9.1213773	9730	10.8786227	10.0037648	167	9.9962352	28
33	9.1185667	9542 9521	10.8814333	9.1223482	9709 9689	10.8776518	10.0037815	167 168	9.9962185	27
34	9.1195188	9500	10.8804812	9.1233171	9668	10.8766829	10.0037983	168	9.9962017	26
35	9.1204688	9479	10.8795312	9.1242839	9647	10.8757161	10.0038151	168	9.9961849	25
36	9.1214167	9457	10.8785833	9.1252486	9626	10.8747514	10 0038319	169	9.9961681	24
37 38	9·1223624 9·1233061	9437	10.8776376 10.8766939	9·1262112 9·1271718	9606	10.8737888 10.8728282	10.0038488 10.0038657	169	9.9961512	23
39	9.1242477	9416	10.8757523	9.1281303	9585	10.8718697	10.0038826	169	9·9961343 9·9961174	21
40	9.1251872	$9395 \\ 9374$	10.8748128	9.1290868	9565	10.8709132	10.0038996	170	9.9961004	20
41	9.1261246		10.8738754	9.1300413	9545	10.8699587	10.0039166	170	9.9960834	19
42	9.1270600	9354	10.8729400	9.1309937	9524	10.8690063	10.0039337	171	9.9960663	18
43	9.1279934	9334 9313	10.8720066	9.1319442	$9505 \\ 9484$	10.8680558	10.0039508	$\frac{171}{171}$	9.9960492	17
44	9.1289247	9292	10.8710753	9.1328926	9465	10.8671074	10.0039679	172	9.9960321	16
45	9.1298539	9273	10.8701461	9.1338391	9444	10.8661609	10.0039851	172	9.9960149	15
46	9.1307812	9252	10.8692188	9.1347835	9425	10.8652165	10.0040023	173	9.9959977	14
47 48	9·1317064 9·1326297	9233	10.8682936 10.8673703	9·1357260 9·1366665	9405	10.8642740 10.8633335	10.0040196 10.0040369	173	9·9959804 9·9959631	13
49	9.1335509	9212	10.8664491	9.1376051	9386	10.8623949	10.0040542	173	9.9959458	12 11
50	9.1344702	9193	10.8655298	9.1385417	9366	10.8614583	10.0040716	174	9.9959284	10
51	9.1353875	9173	10.8646125	9.1394764	9347	10.8605236	10.0040889	173	9.9959111	9
52	9.1363028	9153	10.8636972	9.1404092	9328 9308	10.8595908	10.0041064	175	9.9958936	8 7
53	9.1372161	9133 9114	10.8627839	9.1413400	9289	10.8586600	10.0041239	175 175	9.9958761	
54 55	9.1381275	9095	10.8618725	9.1422689	9270	10.8577311	10:0041414	175	9.9958586	6
	9.1390370	9075	10.8609630	9.1431959	9251	10.8568041	10.0041589	176	9.9958411	5
56 57	9.1399445	9056	10.8600555 10.8591499	9·1441210 9·1450442	9232	10.8558790 10.8549558	10.0041765	176	9.9958235	3
58	9·1408501 9·1417537	9036	10.8591499	9.1459655	9213	10.8549558	10.0041941 10.0042118	177	9·9958059 9·9957882	2
59	9.1426555	9018	10.8573445	9.1468849	9194	10.8531151	10.0042213	177	9.9957705	1
60	9.1435553	8998	10.8564447	9.1478025	9176	10.8521975	10.0042472	177	9.9957528	ō
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
				•						

8 Deg.

,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.1435553		10.8564447	9.1478025		10.8521975	10.0042472		9.9957528	60
1	9.1444532	8979	10.8555468	9.1487182	9157	10.8512818	10.0042650	178	9.9957350	59
2	9.1453493	8961	10.8546507	9.1496321	9139	10.8503679	10.0042828	178	9.9957172	58
3	9.1462435	8942	10.8537565	9.1505441	9120	10.8494559	10.0043007	179	9.9956993	57
4	9.1471358	8923	10.8528642	9.1514543	$9102 \\ 9084$	10.8485457	10.0043185	178	9.9956815	56
5	9.1480262	8904 8886	10.8519738	9.1523627	9065	10.8476373	10.0043365	$\frac{180}{179}$	9.9956635	55
6	9.1489148		10.8510852	9.1532692		10.8467308	10.0043544		9.9956456	54
7	9.1498015	8867 8849	10.8501985	9.1541739	9047 9030	10.8458261	10.0043724	180	9.9956276	53
8	9.1506864	8830	10.8493136	9.1550769	9011	10.8449231	10.0043905	181 180	9.9956095	52
9	9.1515694	8813	10.8484306	9.1559780	8993	10.8440220	10 0044085	181	9.9955915	51
10	9.1524507	8794	10.8475493	9.1568773	8975	10.8431227	10.0044266	182	9.9955734	50
11	9.1533301	8775	10.8466699	9.1577748	8958	10.8422252	10.0044448	182	9.9955552	49
12	9.1542076	8758	10.8457924	9.1586706	8940	10.8413294	10.0044630	182	9.9955370	48
13	9.1550834	8740	10.8449166	9.1595646	8923	10.8404354	10.0044812	183	9.9955188	47
14	9.1559574	8722	10.8440426 10.8431704	9·1604569 9·1613473	8904	10.8395431 10.8386527	10.0044995 10.0045178	183	9.9955005	46
15	9.1568296	8704			8888			183	9.9954822	45
16	9.1577000	8686	10.8423000	9.1622361	8870	10.8377639	10.0045361	184	9.9954639	44
17	9.1585686	8668	10.8414314	9·1631231 9·1640083	8852	10.8368769	10:0045545	184	9.9954455	43
18 19	9·1594354 9·1603005	8651	10.8405646 10.8396995	9.1648919	8836	10.8359917 10.8351081	10.0045729 10.0045913	184	9.9954271 9.9954087	42
20	9.1611639	8634	10.8388361	9.1657737	8818	10.8342263	10.0046098	185	9.9953902	40
		8615			8801			185		1
21 22	9·1620254 9·1628853	8599	10.8379746 10.8371147	9·1666538 9·1675322	8784	10.8333462 10.8324678	10.0046283 10.0046469	186	9.9953717	39
23	9.1637434	8581	10.8362566	9 167 5 5 2 2 9 168 4 0 8 9	8767	10.8315911	10.0046469	186	9·9953531 9·9953345	38 37
24	9.1645998	8564	10.8354002	9.1692839	8750	10.8307161	10.0046841	186	9 9953159	36
25	9.1654544	8546	10.8345456	9.1701572	8733	10.8298428	10.0047028	187	9 9952972	35
26	9.1663074	8530	10.8336926	9.1710289	8717	10.8289711	10.0047215	187	9 9952785	34
27	9.1671586	8512	10.8328414	9.1718989	8700	10.8281011	10.0047213	188	9 9952785	33
28	9.1680081	8495	10.8319919	9.1727672	8683	10.8272328	10.0047591	188	9.9952409	32
29	9.1688559	8478	10.8311441	9.1736338	8666	10.8263662	10.0047779	188	9.9952221	31
30	9.1697021	8462 8444	10.8302979	9.1744988	8650 8634	10.8255012	10.0047967	188 189	9.9952033	30
31	9.1705465	8428	10.8294535	9.1753622	8617	10.8246378	10.0048156		9.9951844	29
32	9.1713893	8412	10.8286107	9.1762239	8601	10.8237761	10.0048346	190	9.9951654	28
33	9.1722305	8394	10.8277695	9.1770840	8585	10.8229160	10.0048536	190 190	9.9951464	27
34	9.1730699	8378	10.8269301	9.1779425	8568	10 8220575	10.0048726	190	9.9951274	26
35	9.1739077	8362	10.8260923	9.1787993	8553	10.8212007	10.0048916	191	9.9951084	25
36	9.1747439	8345	10.8252561	9.1796546	8536	10.8203454	10.0049107	191	9.9950893	24
37	9.1755784	8328	10.8244216	9.1805082	8520	10.8194918	10.0049298	192	9.9950702	23
38	9.1764112	8313	10.8235888	9.1813602	8504	10.8186398	10.0049490	192	9.9950510	22
39 40	9·1772425 9·1780721	8296	10.8227575 10.8219279	9·1822106 9·1830595	8489	10.8177894 10.8169405	10.0049682 10.0049874	192	9.9950318	21
		8280			8473			193	9.9950126	20
41 42	9.1789001	8264	10.8210999	9.1839068	8457	10.8160932	10.0050067	193	9.9949933	19
43	9·1797265 9·1805512	8247	10.8202735 10.8194488	9·1847525 9·1855966	8441	10.8152475 10.8144034	10.0050260 10.0050454	194	9·9949740 9·9949546	18 17
44	9.1813744	8232	10.8186256	9.1864392	8426	10.8135608	10.0050648	194	9 9949340	16
45	9.1821960	8216 8200	10.8178040	9.1872802	8410 8394	10.8127198	10.0050842	194	9.9949158	15
46	9.1830160		10.8169840	9.1881196		10.8118804	10.0051036	194	9.9948964	14
47	9.1838344	8184	10.8161656	9.1889575	8379	10.8110425	10.0051030	195	9 9948904	13
48	9.1846512	8168 8153	10.8153488	9.1897939	8364 8348	10.8102061	10.0051427	196	9.9948573	12
49	9.1854665	8137	10.8145335	9.1906287	8334	10.8093713	10.0051623	196 196	9.9948377	11
50	9.1862802	8121	10.8137198	9.1914621	8318	10.8085379	10.0051819	196	9.9948181	10
51	9.1870923	8106	10.8129077	9.1922939	8302	10.8077061	10.0052015	197	9.9947985	9
52	9.1879029	8091	10.8120971	9.1931241	8288	10.8068759	10.0052212	197	9.9947788	8 7
53	9.1887120	8075	10:8112880	9.1939529	8273	10.8060471	10.0052409	198	9.9947591	7
54 55	9·1895195 9·1903254	8059	10.8104805 10.8096746	9·1947802 9·1956059	8257	10.8052198 10.8043941	10.0052607 10.0052805	198	9.9947393	6 5
9	1	8045			8243			198	9.9947195	1
56	9.1911299	8029	10.8088701 10.8080672	9·1964302 9·1972530	8228	10:8035698	10:0053003	199	9.9946997	3 2 1
57 58	9·1919328 9·1927342	8014	10.8080672	9.1972530	8213	10.8027470 10.8019257	10.0053202 10.0053401	199	9.9946798 9.9946599	3
59	9.1935341	7999	10.8064659	9.1988941	8198	10.8011059	10.0053601	200	9 9946399	1 7
60	9.1943324	7983	10.8056676	9.1997125	8184	10.8002875	10.0053801	200	9.9946199	ō
1,		Dim	90	Coton	Dia	/Ta	G	т		
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′
	1		-							
33										

		9 Deg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0 1 2 3 4 5	9·1943324 9·1951293 9·1959247 9·1967186 9·1975110 9·1983019	7969 7954 7939 7924 7909 7894	10·8056676 10·8048707 10·8040753 10·8032814 10·8024890 10·8016981	9·1997125 9·2005294 9·2013449 9·2021588 9·2029714 9·2037825	8169 8155 8139 8126 8111 8097	$\begin{array}{c} 10.8002875 \\ 10.7994706 \\ 10.7986551 \\ 10.7978412 \\ 10.7970286 \\ 10.7962175 \end{array}$	10·0053801 10·0054001 10·0054202 10·0054403 10·0054604 10·0054806	200 201 201 201 202 202	9 9946199 9 9945999 9 9945798 9 9945597 9 9945396 9 9945194	60 59 58 57 56 55
	6	9·1990913	7880	10.8009087	9·2045922	8082	10·7954078	10.0055008	203	9 9944992	54
	7	9·1998793	7865	10.8001207	9·2054004	8068	10·7945996	10.0055211	202	9 9944789	53
	8	9·2006658	7851	10.7993342	9·2062072	8054	10·7937928	10.0055413	204	9 9944587	52
	9	9·2014509	7836	10.7985491	9·2070126	8039	10·7929874	10.0055617	203	9 9944383	51
	10	9·2022345	7822	10.7977655	9·2078165	8026	10·7921835	10.0055820	205	9 9944180	50
	11 12 13 14 15	9·2030167 9·2037974 9·2045766 9·2053545 9·2061309	7807 7792 7779 7764 7750	$\begin{array}{c} 10.7969833 \\ 10.7962026 \\ 10.7954234 \\ 10.7946455 \\ 10.7938691 \end{array}$	9·2086191 9·2094203 9·2102200 9·2110184 9·2118153	8012 7997 7984 7969 7956	10.7913809 10.7905797 10.7897800 10.7889816 10.7881847	10.0056025 10.0056229 10.0056434 10.0056639 10.0056844	204 205 205 205 206	9:9943975 9:9943771 9:9943566 9:9943361 9:9943156	49 48 47 46 45
	16	9·2069059	7736	10·7930941	9·2126109	7942	10.7873891	10·0057050	207	9:9942950	44
	17	9·2076795	7721	10·7923205	9·2134051	7929	10.7865949	10·0057257	206	9:9942743	43
	18	9·2084516	7708	10·7915484	9·2141980	7914	10.7858020	10·0057463	207	9:9942537	42
	19	9·2092224	7693	10·7907776	9·2149894	7901	10.7850106	10·0057670	208	9:9942330	41
	20	9·2099917	7680	10·7900083	9·2157795	7888	10.7842205	10·0057878	208	9:9942122	40
	21	9·2107597	7666	10.7892403	9·2165683	7873	10.7834317	10.0058086	208	9·9941914	39
	22	9·2115263	7651	10.7884737	9·2173556	7861	10.7826444	10.0058294	208	9·9941706	38
	23	9·2122914	7638	10.7877086	9·2181417	7847	10.7818583	10.0058502	209	9·9941498	37
	24	9·2130552	7624	10.7869448	9·2189264	7833	10.7810736	10.0058711	210	9·9941289	36
	25	9·2138176	7611	10.7861824	9·2197097	7820	10.7802903	10.0058921	209	9·9941079	35
	26	9·2145787	7597	10.7854213	9·2204917	7807	10·7795083	10·0059130	211	9·9940870	34
	27	9·2153384	7583	10.7846616	9·2212724	7794	10·7787276	10·0059341	210	9·9940659	33
	28	9·2160967	7569	10.7839033	9·2220518	7780	10·7779482	10·0059551	211	9·9940449	32
	29	9·2168536	7556	10.7831464	9·2228298	7767	10·7771702	10·0059762	211	9·9940238	31
	30	9·2176092	7543	10.7823908	9·2236065	7754	10·7763935	10·0059973	212	9·9940027	30
	31	9·2183635	7529	10·7816365	9·2243819	7742	10·7756181	10.0060185	212	9·9939815	29
	32	9·2191164	7516	10·7808836	9·2251561	7728	10·7748439	10.0060397	212	9·9939603	28
	33	9·2198680	7502	10·7801320	9·2259289	7715	10·7740711	10.0060609	213	9·9939391	27
	34	9·2206182	7489	10·7793818	9·2267004	7702	10·7732996	10.0060822	213	9·9939178	26
	35	9·2213671	7476	10·7786329	9·2274706	7689	10·7725294	10.0061035	213	9·9938965	25
	36	9·2221147	7462	10·7778853	9·2282395	7676	10·7717605	10.0061248	214	9·9938752	24
	37	9·2228609	7450	10·7771391	9·2290071	7664	10·7709929	10.0061462	214	9·9938538	23
	38	9·2236059	7436	10·7763941	9·2297735	7651	10·7702265	10.0061676	215	9·9938324	22
	39	9·2243495	7423	10·7756505	9·2305386	7638	10·7694614	10.0061891	215	9·9938109	21
	40	9·2250918	7410	10·7749082	9·2313024	7626	10·7686976	10.0062106	215	9·9937894	20
	41	9·2258328	7397	10·7741672	9·2320650	7612	10·7679350	10.0062321	216	9·9937679	19
	42	9·2265725	7385	10·7734275	9·2328262	7601	10·7671738	10.0062537	216	9·9937463	18
	43	9·2273110	7371	10·7726890	9·2335863	7588	10·7664137	10.0062753	217	9·9937247	17
	44	9·2280481	7358	10·7719519	9·2343451	7575	10·7656549	10.0062970	217	9·9937030	16
	45	9·2287839	7346	10·7712161	9·2351026	7563	10·7648974	10.0063187	217	9·9936813	15
	46	9·2295185	7333	10·7704815	9·2358589	7550	10·7641411	10.0063404	218	9·9936596	14
	47	9·2302518	7320	10·7697482	9·2366139	7539	10·7633861	10.0063622	218	9·9936378	13
	48	9·2309838	7307	10·7690162	9·2373678	7525	10·7626322	10.0063840	218	9·9936160	12
	49	9·2317145	7295	10·7682855	9·2381203	7514	10·7618797	10.0064058	219	9·9935942	11
	50	9·2324440	7282	10·7675560	9·2388717	7501	10·7611283	10.0064277	219	9·9935723	10
	51	9·2331722	7270	10·7668278	9·2396218	7490	10·7603782	10.0064496	219	9·9935504	9
	52	9·2338992	7257	10·7661008	9·2403708	7477	10·7596292	10.0064715	220	9·9935285	8
	53	9·2346249	7245	10·7653751	9·2411185	7465	10·7588815	10.0064935	221	9·9935065	7
	54	9·2353494	7232	10·7646506	9·2418650	7453	10·7581350	10.0065156	220	9·9934844	6
	55	9·2360726	7220	10·7639274	9·2426103	7440	10·7573897	10.0065376	221	9·9934624	5
	56 57 58 59 60	9·2367946 9·2375153 9·2382349 9·2389532 9·2396702	7207 7196 7183 7170	10·7632054 10·7624847 10·7617651 10·7610468 10·7603298	9·2433543 9·2440972 9·2448389 9·2455794 9·2463188	7429 7417 7405 7394	10.7566457 10.7559028 10.7551611 10.7544206 10.7536812	10.0065597 10.0065819 10.0066041 10.0066263 10.0066485	222 222 222 222	9°9934403 9°9934181 9°9933959 9°9933787 9°9933515	4 3 2 1 0
	1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
1	,										-

	10 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·2396702	7159	10·7603298	9·2463188	7381	10 7536812	10.0066485	223	9·9933515	60
1	9·2403861	7146	10·7596139	9·2470569	7370	10 7529431	10.0066708	224	9·9933292	59
2	9·2411007	7134	10·7588993	9·2477939	7358	10 7522061	10.0066932	223	9·9933068	58
3	9·2418141	7123	10·7581859	9·2485297	7346	10 7514703	10.0067155	224	9·9932845	57
4	9·2425264	7110	10·7574736	9·2492643	7335	10 7507357	10.0067379	225	9·9932621	56
5	9·2432374	7098	10·7567626	9·2499978	7323	10 7500022	10.0067604	225	9·9932396	55
6	9·2439472	7086	10·7560528	9·2507301	7311	10·7492699	10·0067829	225	9·9932171	54
7	9·2446558	7074	10·7553442	9·2514612	7300	10·7485388	10·0068054	226	9·9931946	53
8	9·2453632	7063	10·7546368	9·2521912	7288	10·7478088	10·0068280	226	9·9931720	52
9	9·2460695	7051	10·7539305	9·2529200	7277	10·7470800	10·0068506	226	9·9931494	51
10	9·2467746	7038	10·7532254	9·2536477	7266	10·7463523	10·0068732	227	9·9931268	50
11	9·2474784	7027	10·7525216	9·2543743	7254	10·7456257	10.0068959	227	9·9931041	49
12	9·2481811	7016	10·7518189	9·2550997	7243	10·7449003	10.0069186	227	9·9930814	48
13	9·2488827	7003	10·7511173	9·2558240	7232	10·7441760	10.0069413	228	9·9930587	47
14	9·2495830	6992	10·7504170	9·2565472	7220	10·7434528	10.0069641	228	9·9930359	46
15	9·2502822	6981	10·7497178	9·2572692	7209	10·7427308	10.0069869	229	9·9930131	45
16	9·2509803	6969	10·7490197	9·2579901	7198	10·7420099	10.0070098	229	9·9929902	44
17	9·2516772	6957	10·7483228	9·2587099	7186	10·7412901	10.0070327	229	9·9929673	43
18	9·2523729	6946	10·7476271	9·2594285	7176	10·7405715	10.0070556	230	9·9929444	42
19	9·2530675	6934	10·7469325	9·2601461	7164	10·7398539	10.0070786	230	9·9929214	41
20	9·2537609	6923	10·7462391	9·2608625	7154	10·7391375	10.0071016	231	9·9928984	40
21 22 23 24 25	9·2544532 9·2551444 9·2558344 9·2565233 9·2572110	6912 6900 6889 6877 6867	10·7455468 10·7448556 10·7441656 10·7434767 10·7427890	9·2615779 9·2622921 9·2630053 9·2637173 9·2644283	7142 7132 7120 7110 7099	10·7384221 10·7377079 10·7369947 10·7362827 10·7355717	10·0071247 10·0071478 10·0071709 10·0071941 10·0072173	231 231 232 232 232 232	9·9928753 9·9928522 9·9928291 9·9928059 9·9927827	39 38 37 36 35
26	9·2578977	6855	10·7421023	9·2651382	7088	10·7348618	10·0072405	233	9·9927595	34
27	9·2585832	6844	10·7414168	9·2658470	7077	10·7341530	10·0072638	233	9·9927362	33
28	9·2592676	6833	10·7407324	9·2665547	7066	10·7334453	10·0072871	234	9·9927129	32
29	9·2599509	6821	10·7400491	9·2672613	7056	10·7327387	10·0073105	234	9·9926895	31
30	9·2606330	6811	10·7393670	9·2679669	7045	10·7320331	10·0073339	234	9·9926661	30
31	9·2613141	6800	10·7386859	9·2686714	7035	10·7313286	10.0073573	235	9·9926427	29
32	9·2619941	6788	10·7380059	9·2693749	7023	10·7306251	10.0073808	235	9·9926192	28
33	9·2626729	6778	10·7373271	9·2700772	7014	10·7299228	10.0074043	235	9·9925957	27
34	9·2633507	6767	10·7366493	9·2707786	7002	10·7292214	10.0074278	236	9·9925722	26
35	9·2640274	6756	10·7359726	9·2714788	6992	10·7285212	10.0074514	236	9·9925486	25
36	9·2647030	6745	10·7352970	9·2721780	6982	10·7278220	10·0074750	237	9·9925250	24
37	9·2653775	6734	10·7346225	9·2728762	6971	10·7271238	10·0074987	237	9·9925013	23
38	9·2660509	6723	10·7339491	9·2735733	6961	10·7264267	10·0075224	237	9·9924776	22
39	9·2667232	6713	10·7332768	9·2742694	6950	10·7257306	10·0075461	238	9·9924539	21
40	9·2673945	6702	10·7326055	9·2749644	6940	10·7250356	10·0075699	238	9·9924301	20
41	9·2680647	6691	10·7319353	9·2756584	6930	10·7243416	10·0075937	239	9·9924063	19
42	9·2687338	6681	10·7312662	9·2763514	6920	10·7236486	10·0076176	239	9·9923824	18
43	9·2694019	6670	10·7305981	9·2770434	6909	10·7229566	10·0076415	239	9·9923585	17
44	9·2700689	6659	10·7299311	9·2777343	6899	10·7222657	10·0076654	240	9·9923346	16
45	9·2707348	6649	10·7292652	9·2784242	6889	10·7215758	10·0076894	240	9·9923106	15
46	9·2713997	6638	10·7286003	9·2791131	6878	10·7208869	10·0077134	240	9·9922866	14
47	9·2720635	6628	10·7279365	9·2798009	6869	10·7201991	10·0077374	241	9·9922626	13
48	9·2727263	6617	10·7272737	9·2804878	6858	10·7195122	10·0077615	241	9·9922385	12
49	9·2733880	6607	10·7266120	9·2811736	6849	10·7188264	10·0077856	242	9·9922144	11
50	9·2740487	6596	10·7259513	9·2818585	6838	10·7181415	10·0078098	242	9·9921902	10
51	9·2747083	6586	10·7252917	9·2825423	6828	10·7174577	10.0078340	242	9·9921660	9
52	9·2753669	6576	10·7246331	9·2832251	6819	10·7167749	10.0078582	243	9·9921418	8
53	9·2760245	6566	10·7239755	9·2839070	6808	10·7160930	10.0078825	243	9·9921175	7
54	9·2766811	6555	10·7233189	9·2845878	6799	10·7154122	10.0079068	243	9·9920932	6
55	9·2773366	6545	10·7226634	9·2852677	6789	10·7147323	10.0079311	244	9·9920689	5
56 57 58 59 60	9·2779911 9·2786445 9·2792970 9·2799484 9·2805988	6534 6525 6514 6504	10·7220089 10·7213555 10·7207030 10·7200516 10·7194012	9·2859466 9·2866245 9·2873014 9·2879773 9·2886523	6779 6769 6759 6750	10·7140534 10·7133755 10·7126986 10·7120227 10·7113477	10·0079555 10·0079799 10·0080044 10·0080289 10·0080534	244 245 245 245 245	9·9920445 9·9920201 9·9919956 9·9919711 9·9919466	4 3 2 1 0
Ĺ	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′
		-								

	11 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1
0	9·2805988	6495	10.7194012	9·2886523	6740	10.7113477	10·0080534	246	9·9919466	60
1	9·2812483	6484	10.7187517	9·2893263	6730	10.7106737	10·0080780	246	9·9919220	59
2	9·2818967	6474	10.7181033	9·2899993	6720	10.7100007	10·0081026	247	9·9918974	58
3	9·2825441	6464	10.7174559	9·2906713	6711	10.7093287	10·0081273	247	9·9918727	57
4	9·2831905	6454	10.7168095	9·2913424	6702	10.7086576	10·0081520	247	9·9918480	56
5	9·2838359	6444	10.7161641	9·2920126	6691	10.7079874	10·0081767	247	9·9918233	55
6	9·2844803	6434	10.7155197	9·2926817	6683	10·7073183	10.0082014	249	9·9917986	54
7	9·2851237	6424	10.7148763	9·2933500	6672	10·7066500	10.0082263	248	9·9917737	53
8	9·2857661	6415	10.7142339	9·2940172	6664	10·7059828	10.0082511	249	9·9917489	52
9	9·2864076	6404	10.7135924	9·2946836	6653	10·7053164	10.0082760	249	9·9917240	51
10	9·2870480	6395	10.7129520	9·2953489	6645	10·7046511	10.0083009	250	9·9916991	50
11	9·2876875	6385	10·7123125	9·2960134	6635	10·7039866	10·0083259	249	9·9916741	49
12	9·2883260	6376	10·7116740	9·2966769	6626	10·7033231	10·0083508	251	9·9916492	48
13	9·2889636	6365	10·7110364	9·2973395	6616	10·7026605	10·0083759	251	9·9916241	47
14	9·2896001	6356	10·7103999	9·2980011	6607	10·7019989	10·0084010	251	9·9915990	46
15	9·2902357	6347	10·7097643	9·2986618	6598	10·7013382	10·0084261	251	9·9915739	45
16	9·2908704	6336	10·7091296	9·2993216	6588	10·7006784	10.0084512	252	9·9915488	44
17	9·2915040	6327	10·7084960	9·2999804	6579	10·7000196	10.0084764	252	9·9915236	43
18	9·2921367	6318	10·7078633	9·3006383	6571	10·6993617	10.0085016	253	9·9914984	42
19	9·2927685	6308	10·7072315	9·3012954	6560	10·6987046	10.0085269	253	9·9914731	41
20	9·2933993	6298	10·7066007	9·3019514	6552	10·6980486	10.0085522	253	9·9914478	40
21	9·2940291	6289	10·7059709	9·3026066	6543	10.6973934	10.0085775	254	9:9914225	39
22	9·2946580	6279	10·7053420	9·3032609	6534	10.6967391	10.0086029	254	9:9913971	38
23	9·2952859	6270	10·7047141	9·3039143	6524	10.6960857	10.0086283	255	9:9913717	37
24	9·2959129	6261	10·7040871	9·3045667	6516	10.6954333	10.0086538	255	9:9913462	36
25	9·2965390	6251	10·7034610	9·3052183	6506	10.6947817	10.0086793	255	9:9913207	35
26	9·2971641	6242	10·7028359	9:3058689	6498	10.6941311	10·0087048	256	9·9912952	34
27	9·2977883	6233	10·7022117	9:3065187	6488	10.6934813	10·0087304	256	9·9912696	33
28	9·2984116	6223	10·7015884	9:3071675	6480	10.6928325	10·0087560	256	9·9912440	32
29	9·2990339	6214	10·7009661	9:3078155	6471	10.6921845	10·0087816	257	9·9912184	31
30	9·2996553	6205	10·7003447	9:3084626	6462	10.6915374	10·0088073	257	9·9911927	30
31	9·3002758	6195	10.6997242	9·3091088	6453	10.6908912	10·0088330	258	9*9911670	29
32	9·3008953	6187	10.6991047	9·3097541	6444	10.6902459	10·0088588	258	9*9911412	28
33	9·3015140	6177	10.6984860	9·3103985	6436	10.6896015	10·0088846	258	9*9911154	27
34	9·3021317	6168	10.6978683	9·3110421	6427	10.6889579	10·0089104	259	9*9910896	26
35	9·3027485	6159	10.6972515	9·3116848	6418	10.6883152	10·0089363	259	9*9910637	25
36	9·3033644	6150	10.6966356	9°3123266	6409	10.6876734	10.0089622	259	9·9910378	24
37	9·3039794	6140	10.6960206	9°3129675	6401	10.6870325	10.0089881	260	9·9910119	23
38	9·3045934	6132	10.6954066	9°3136076	6392	10.6863924	10.0090141	261	9·9909859	22
39	9·3052066	6123	10.6947934	9°3142468	6383	10.6857532	10.0090402	260	9·9909598	21
40	9·3058189	6114	10.6941811	9°3148851	6375	10.6851149	10.0090662	261	9·9909338	20
41	9·3064303	6104	10.6935697	9·3155226	6366	10.6844774	10 0090923	262	9·9909077	19
42	9·3070407	6096	10.6929593	9·3161592	6358	10.6838408	10 0091185	262	9·9908815	18
43	9·3076503	6087	10.6923497	9·3167950	6349	10.6832050	10 0091447	262	9·9908553	17
44	9·3082590	6078	10.6917410	9·3174299	6341	10.6825701	10 0091709	262	9·9908291	16
45	9·3088668	6069	10.6911332	9·3180640	6332	10.6819360	10 0091971	263	9·9908029	15
46	9·3094737	6061	10.6905263	9·3186972	6323	10.6813028	10.0092234	264	9*9907766	14
47	9·3100798	6051	10.6899202	9·3193295	6316	10.6806705	10.0092498	263	9*9907502	13
48	9·3106849	6043	10.6893151	9·3199611	6307	10.6800389	10.0092761	265	9*9907239	12
49	9·3112892	6034	10.6887108	9·3205918	6298	10.6794082	10.0093026	264	9*9906974	11
50	9·3118926	6025	10.6881074	9·3212216	6290	10.6787784	10.0093290	265	9*9906710	10
51	9·3124951	6017	10.6875049	9·3218506	6282	10.6781494	10.0093555	265	9·9906445	9
52	9·3130968	6008	10.6869032	9·3224788	6273	10.6775212	10.0093820	266	9·9906180	8
53	9·3136976	5999	10.6863024	9·3231061	6266	10.6768939	10.0094086	266	9·9905914	7
54	9·3142975	5990	10.6857025	9·3237327	6257	10.6762673	10.0094352	266	9·9905648	6
55	9·3148965	5982	10.6851035	9·3243584	6248	10.6756416	10.0094618	267	9·9905382	5
56 57 58 59 60	9·3154947 9·3160921 9·3166885 9·3172841 9·3178789	5974 5964 5956 5948	10.6845053 10.6839079 10.6833115 10.6827159 10.6821211	9·3249832 9·3256073 9·3262305 9·3268529 9·3274745	6241 6232 6224 6216	10.6750168 10.6743927 10.6737695 10.6731471 10.6725255	10°0094885 10°0095152 10°0095420 10°0095688 10°0095956	267 268 268 268	9·9905115 9·9904848 9·9904580 9·9904312 9·9904044	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,

	12 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·3178789	5939	10.6821211	9·3274745	6208	$\begin{array}{c} 10.6725255 \\ 10.6719047 \\ 10.6712847 \\ 10.6706655 \\ 10.6700472 \\ 10.6694296 \end{array}$	10·0095956	269	9·9904044	60
1	9·3184728	5931	10.6815272	9·3280953	6200		10·0096225	269	9·9903775	59
2	9·3190659	5922	10.6809341	9·3287153	6192		10·0096494	269	9·9903506	58
3	9·3196581	5914	10.6803419	9·3293345	6183		10·0096763	270	9·9903237	57
4	9·3202495	5905	10.6797505	9·3299528	6176		10·0097033	270	9·9902967	56
5	9·3208400	5897	10.6791600	9·3305704	6168		10·0097303	271	9·9902697	55
6	9·3214297	5889	10.6785703	9·3311872	6159	10.6688128	10.0097574	271	9·9902426	54
7	9·3220186	5880	10.6779814	9·3318031	6152	10.6681969	10.0097845	272	9·9902155	53
8	9·3226066	5872	10.6773934	9·3324183	6144	10.6675817	10.0098117	271	9·9901883	52
9	9·3231938	5864	10.6768062	9·3330327	6136	10.6669673	10.0098388	273	9·9901612	51
10	9·3237802	5855	10.6762198	9·3336463	6128	10.6663537	10.0098661	272	9·9901339	50
11	9·3243657	5848	10.6756343	9·3342591	6120	10.6657409	10.0098933	273	9 · 9901067	49
12	9·3249505	5839	10.6750495	9·3348711	6112	10.6651289	10.0099206	273	9 · 9900794	48
13	9·3255344	5830	10.6744656	9·3354823	6104	10.6645177	10.0099479	274	9 · 9900521	47
14	9·3261174	5823	10.6738826	9·3360927	6097	10.6639073	10.0099753	274	9 · 9900247	46
15	9·3266997	5814	10.6733003	9·3367024	6089	10.6632976	10.0100027	275	9 · 9899973	45
16 17 18 19 20	9·3272811 9·3278617 9·3284416 9·3290206 9·3295988	5806 5799 5790 5782 5773	10.6727189 10.6721383 10.6715584 10.6709794 10.6704012	9·3373113 9·3379194 9·3385267 9·3391333 9·3397391	6081 6073 6066 6058 6050	10.6626887 10.6620806 10.6614733 10.6608667 10.6602609	10·0100302 10·0100577 10·0100852 10·0101127 10·0101403	275 275 275 276 276 277	9 9899698 9 9899423 9 9899148 9 9898873 9 9898597	44 43 42 41 40
21	9·3301761	5766	10.6698239	9·3403441	6043	10.6596559	10·0101680	277	9·9898320	39
22	9·3307527	5758	10.6692473	9·3409484	6035	10.6590516	10·0101957	277	9·9898043	38
23	9·3313285	5750	10.6686715	9·3415519	6027	10.6584481	10·0102234	277	9·9897766	37
24	9·3319035	5742	10.6680965	9·3421546	6020	10.6578454	10·0102511	278	9·9897489	36
25	9·3324777	5734	10.6675223	9·3427566	6012	10.6572434	10·0102789	279	9·9897211	35
26	9·3330511	5726	10.6669489	9·3433578	6005	10.6566422	10·0103068	278	9·9896932	34
27	9·3336237	5718	10.6663763	9·3439583	5997	10.6560417	10·0103346	280	9·9896654	33
28	9·3341955	5710	10.6658045	9·3445580	5990	10.6554420	10·0103626	279	9·9896374	32
29	9·3347665	5703	10.6652335	9·3451570	5982	10.6548430	10·0103905	280	9·9896095	31
30	9·3353368	5694	10.6646632	9·3457552	5975	10.6542448	10·0104185	280	9·9895815	30
31	9·3359062	5687	10.6640938	9·3463527	5967	10.6536473	10·0104465	281	9·9895535	29
32	9·3364749	5679	10.6635251	9·3469494	5960	10.6530506	10·0104746	281	9·9895254	28
33	9·3370428	5671	10.6629572	9·3475454	5953	10.6524546	10·0105027	281	9·9894973	27
34	9·3376099	5663	10.6623901	9·3481407	5945	10.6518593	10·0105308	282	9·9894692	26
35	9·3381762	5656	10.6618238	9·3487352	5938	10.6512648	10·0105590	282	9·9894410	25
36	9·3387418	5647	10.6612582	9·3493290	5930	10.6506710	10·0105872	283	9·9894128	24
37	9·3393065	5641	10.6606935	9·3499220	5923	10.6500780	10·0106155	283	9·9893845	23
38	9·3398706	5632	10.6601294	9·3505143	5916	10.6494857	10·0106438	283	9·9893562	22
39	9·3404338	5625	10.6595662	9·3511059	5909	10.6488941	10·0106721	284	9·9893279	21
40	9·3409963	5617	10.6590037	9·3516968	5901	10.6483032	10·0107005	284	9·9892995	20
41	9·3415580	5610	10.6584420	9·3522869	5894	10.6477131	10·0107289	284	9·9892711	19
42	9·3421190	5602	10.6578810	9·3528763	5887	10.6471237	10·0107573	285	9·9892427	18
43	9·3426792	5594	10.6573208	9·3534650	5880	10.6465350	10·0107858	286	9·9892142	17
44	9·3432386	5587	10.6567614	9·3540530	5872	10.6459470	10·0108144	285	9·9891856	16
45	9·3437973	5579	10.6562027	9·3546402	5865	10.6453598	10·0108429	286	9·9891571	15
46	9·3443552	5572	10.6556448	9·3552267	5859	10.6447733	10·0108715	287	9·9891285	14
47	9·3449124	5564	10.6550876	9·3558126	5851	10.6441874	10·0109002	287	9·9890998	13
48	9·3454688	5557	10.6545312	9·3563977	5844	10.6436023	10·0109289	287	9·9890711	12
49	9·3460245	5549	10.6539755	9·3569821	5837	10.6430179	10·0109576	287	9·9890424	11
50	9·3465794	5542	10.6534206	9·3575658	5829	10.6424342	10·0109863	288	9·9890137	10
51	9·3471336	5534	10.6528664	9·3581487	5823	10·6418513	10·0110151	289	9·9889849	9
52	9·3476870	5527	10.6523130	9·3587310	5816	10·6412690	10·0110440	289	9·9889560	8
53	9·3482397	5520	10.6517603	9·3593126	5809	10·6406874	10·0110729	289	9·9889271	7
54	9·3487917	5512	10.6512083	9·3598935	5801	10·6401065	10·0111018	289	9·9888982	6
55	9·3493429	5505	10.6506571	9·3604736	5795	10·6395264	10·0111307	290	9·9888693	5
56 57 58 59 60	9·3498934 9·3504432 9·3509922 9·3515405 9·3520880	5498 5490 5483 5475	10.6501066 10.6495568 10.6490078 10.6484595 10.6479120	9·3610531 9·3616319 9·3622100 9·3627874 9·3633641	5788 5781 5774 5767	10·6389469 10·6383681 10·6377900 10·6372126 10·6366359	10·0111597 10·0111887 10·0112178 10·0112469 10·0112761	290 291 291 292	9·9888403 9·9888113 9·9887822 9·9887531 9·9887239	4 3 2 1 0
ľ	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

Q

	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0	9·3520880	5469	10.6479120	9:3633641	5760	10.6366359	10·0112761	292	9:9887239	60
	1	9·3526349	5461	10.6473651	9:3639401	5754	10.6360599	10·0113053	292	9:9886947	59
	2	9·3531810	5454	10.6468190	9:3645155	5746	10.6354845	10·0113345	292	9:9886655	58
	3	9·3537264	5446	10.6462736	9:3650901	5740	10.6349099	10·0113637	293	9:9886363	57
	4	9·3542710	5440	10.6457290	9:3656641	5733	10.6343359	10·0113930	294	9:9886070	56
	5 6 7 8 9 10	9:3548150 9:3553582 9:3559007 9:3564426 9:3569836 9:3575240	5432 5425 5419 5410 5404	10.6451850 10.6446418 10.6440993 10.6435574 10.6430164 10.6424760	9·3662374 9·3668100 9·3673819 9·3679532 9·3685238 9·3690937	5726 5719 5713 5706 5699	10.6337626 10.6331900 10.6326181 10.6320468 10.6314762 10.6309063	10·0114224 10·0114518 10·0114812 10·0115106 10·0115401 10·0115697	294 294 294 295 296	9.9885776 9.9885482 9.9885188 9.9884894 9.9884599 9.9884303	55 54 53 52 51 50
	11 12 13 14 15	9·3580637 9·3586027 9·3591409 9·3596785 9·3602154	5397 5390 5382 5376 5369	10.6419363 10.6413973 10.6408591 10.6403215 10.6397846	9·3696629 9·3702315 9·3707994 9·3713667 9·3719333	5692 5686 5679 5673 5666 5659	10·6303371 10·6297685 10·6292006 10·6286333 10·6280667	10·0115992 10·0116288 10·0116585 10·0116882 10·0117179	295 296 297 297 297 298	9·9884008 9·9883712 9·9883415 9·9883118 9·9882821	49 48 47 46 45
	16 17 18 19 20	9·3607515 9·3612870 9·3618217 9·3623558 9·3628892	5361 5355 5347 5341 5334 5327	10.6392485 10.6387130 10.6381783 10.6376442 10.6371108	9·3724992 9·3730645 9·3736291 9·3741930 9·3747563	5653 5646 5639 5633 5627	10.6275008 10.6269355 10.6263709 10.6258070 10.6252437	10.0117477 10.0117775 10.0118073 10.0118372 10.0118671	298 298 299 299 300	9·9882523 9·9882225 9·9881927 9·9881628 9·9881329	44 43 42 41 40
	21	9·3634219	5320	10.6365781	9·3753190	5620	10·6246810	10·0118971	300	9·9881029	39
	22	9·3639539	5313	10.6360461	9·3758810	5613	10·6241190	10·0119271	300	9·9880729	38
	23	9·3644852	5306	10.6355148	9·3764423	5607	10·6235577	10·0119571	301	9·9880429	37
	24	9·3650158	5300	10.6349842	9·3770030	5601	10·6229970	10·0119872	301	9·9880128	36
	25	9·3655458	5292	10.6344542	9·3775631	5594	10·6224369	10·0120173	302	9·9879827	35
	26	9·3660750	5286	10.6339250	9·3781225	5588	10.6218775	10·0120475	302	9·9879525	34
	27	9·3666036	5279	10.6333964	9·3786813	5581	10.6213187	10·0120777	302	9·9879223	33
	28	9·3671315	5272	10.6328685	9·3792394	5575	10.6207606	10·0121079	303	9·9878921	32
	29	9·3676587	5266	10.6323413	9·3797969	5568	10.6202031	10·0121382	303	9·9878618	31
	30	9·3681853	5258	10.6318147	9·3803537	5563	10.6196463	10·0121685	303	9·9878315	30
	31	9·3687111	5252	10.6312889	9:3809100	5555	10.6190900	10·0121988	304	9·9878012	29
	32	9·3692363	5245	10.6307637	9:3814655	5550	10.6185345	10·0122292	304	9·9877708	28
	33	9·3697608	5239	10.6302392	9:3820205	5543	10.6179795	10·0122596	305	9·9877404	27
	34	9·3702847	5232	10.6297153	9:3825748	5537	10.6174252	10·0122901	305	9·9877099	26
	35	9·3708079	5225	10.6291921	9:3831285	5531	10.6168715	10·0123206	306	9·9876794	25
	36	9·3713304	5219	10.6286696	9:3836816	5524	10.6163184	10·0123512	305	9·9876488	24
	37	9·3718523	5212	10.6281477	9:3842340	5518	10.6157660	10·0123817	307	9·9876183	23
	38	9·3723735	5205	10.6276265	9:3847858	5512	10.6152142	10·0124124	306	9·9875876	22
	39	9·3728940	5199	10.6271060	9:3853370	5506	10.6146630	10·0124430	307	9·9875570	21
	40	9·3734139	5192	10.6265861	9:3858876	5500	10.6141124	10·0124737	308	9·9875263	20
	41	9·3739331	5186	10.6260669	9:3864376	5493	10·6135624	10.0125045	307	9·9874955	19
	42	9·3744517	5179	10.6255483	9:3869869	5487	10·6130131	10.0125352	309	9·9874648	18
	43	9·3749696	5172	10.6250304	9:3875356	5481	10·6124644	10.0125661	308	9·9874339	17
	44	9·3754868	5166	10.6245132	9:3880837	5475	10·6119163	10.0125969	309	9·9874031	16
	45	9·3760034	5160	10.6239966	9:3886312	5469	10·6113688	10.0126278	309	9·9873722	15
	46	9·3765194	5153	10.6234806	9·3891781	5463	10.6108219	10·0126587	310	9·9873413	14
	47	9·3770347	5146	10.6229653	9·3897244	5456	10.6102756	10·0126897	310	9·9873103	13
	48	9·3775493	5140	10.6224507	9·3902700	5451	10.6097300	10·0127207	311	9·9872793	12
	49	9·3780633	5134	10.6219367	9·3908151	5444	10.6091849	10·0127518	311	9·9872482	11
	50	9·3785767	5127	10.6214233	9·3913595	5439	10.6086405	10·0127829	311	9·9872171	10
	51	9·3790894	5121	10.6209106	9·3919034	5432	10.6080966	10·0128140	311	9·9871860	9
	52	9·3796015	5114	10.6203985	9·3924466	5427	10.6075534	10·0128451	313	9·9871549	8
	53	9·3801129	5108	10.6198871	9·3929893	5420	10.6070107	10·0128764	312	9·9871236	7
	54	9·3806237	5102	10.6193763	9·3935313	5414	10.6064687	10·0129076	313	9·9870924	6
	55	9·3811339	5095	10.6188661	9·3940727	5409	10.6059273	10·0129389	313	9·9870611	5
	56 57 58 59 60	9·3816434 9·3821523 9·3826605 9·3831682 9·3836752	5089 5082 5077 5070	10.6183566 10.6178477 10.6173395 10.6168318 10.6163248	9*3946136 9*3951538 9*3956935 9*3962326 9*3967711	5402 5397 5391 5385	10.6053864 10.6048462 10.6043065 10.6037674 10.6032289	10·0129702 10·0130016 10·0130330 10·0130644 10·0130959	314 314 314 315	9·9870298 9·9869984 9·9869670 9·9869356 9·9869041	4 3 2 1 0
	'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
- 1											

14 Deg.

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·3836752 9·3841815	5063	10.6163248 10.6158185	9·3967711 9·3973089	5378	10.6032289 10.6026911	10.0130959 10.0131274	315	9-9869041 9-9868726	60 59
2	9.3846873	5058	10.6153127	9.3978463	5374	10.6021537	10.0131590	316	9.9868410	58
3	9.3851924	5051	10.6148076	9.3983830	5367	10 6016170	10.0131906	316	9.9868094	57
4	9.3856969	5045	10.6143031	9.3989191	5361	10.6010809	10.0132222	316	9.9867778	56
5	9.3862008	5039	10 6137992	9.3994547	5356	10.6005453	10.0132539	317	9.9867461	55
6.7	1	5032			5349			317		
6	9.3867040	5027	10.6132960	9.3999896	5344	10.6000104	10.0132856	317	9.9867144	54
7	9.3872067	5020	10.6127933	9.4005240	5338	10.5994760	10.0133173	318	9 9866827	53
8	9.3877087	5014	10.6122913	9.4010578	5332	10.5989422	10.0133491	318	9 9866509	52
9	9.3882101	5008	10.6117899	9.4015910	5327	10.5984090	10.0133809	319	9.9866191	51
10	9.3887109	5002	10.6112891	9.4021237	5321	10.5978763	10.0134128	319	9.9865872	50
11	9.3892111	4995	10.6107889	9.4026558	5315	10.5973442	10.0134447	320	9.9865553	49
12	9.3897106	4990	10.6102894	9.4031873	5309	10.5968127	10.0134767	320	9.9865233	48
13	-9:3902096	4983	10.6097904	9.4037182	5304	10.5962818	10.0135087		9.9864913	47
14	9.3907079		10.6092921	9.4042486	5298	10.5957514	10.0135407	320 320	9.9864593	46
15	9.3912057	$\frac{4978}{4971}$	10.6087943	9.4047784	5292	10.5952216	10.0135727	321	9.9864273	45
16	9.3917028		10.6082972	9:4053076		10.5946924	10.0136048		9.9863952	44
17	9.3917028	4965	10.6078007	9:4058363	5287	10.5941637	10.0136370	322	9.9863630	43
18	9.3926952	4959	10.6073048	9.4063644	5281	10.5936356	10.0136692	322	9.9863308	42
19	9.3931905	4953	10.6068095	9.4068919	5275	10.5931081	10.0137014	322	9.9862986	41
20	9.3936852	4947	10.6063148	9.4074189	5270	10.5925811	10.0137337	323	9.9862663	40
1		4942			5264			323		
21	9.3941794	4935	10.6058206	9.4079453	5259	10.5920547	10.0137660	323	9.9862340	39
22	9.3946729	4929	10.6053271	9.4084712	5253	10.5915288	10.0137983	324	9.9862017	38
23	9.3951658	4923	10.6048342	9.4089965	5247	10.5910035	10.0138307	324	9.9861693	37
24	9.3956581	4918	10.6043419	9.4095212	5242	10.5904788	10.0138631	324	9.9861369	36
25	9.3961499	4911	10.6038501	9.4100454	5236	10.5899546	10.0138955	325	9.9861045	35
26	9.3966410		10.6033590	9.4105690	5231	10.5894310	10.0139280	326	9.9860720	34
27	9.3971315	4905	10.6028685	9.4110921	5225	10.5889079	10.0139606		9.9860394	33
28	9.3976215	4900 4894	10.6023785	9.4116146	5220	10.5883854	10.0139931	$\frac{325}{327}$	9.9860069	32
29	9.3981109	4887	10.6018891	9.4121366	5215	10.5878634	10.0140258		9.9859742	31
30	9.3985996	4882	10.6014004	9.4126581	5215	10.5873419	10.0140584	$\frac{326}{327}$	9.9859416	30
31	9.3990878		10.6009122	9.4131789		10.5868211	10.0140911		9.9859089	29
32	9.3995754	4876	10.6004246	9.4136993	5204	10.5863007	10.0141238	327	9.9858762	28
33	9.4000625	4871	10.5999375	9.4142191	5198	10.5857809	10.0141566	328	9 9858434	27
34	9.4005489	4864	10.5994511	9.4147383	5192	10.5852617	10.0141894	328	9.9858106	26
35	9.4010348	4859	10.5989652	9.4152570	5187	10.5847430	10.0142223	329	9.9857777	25
		4853			5182			328		1 1
36	9.4015201	4847	10.5984799	9.4157752	5176	10.5842248	10.0142551	330	9.9857449	24
37	9.4020048	4841	10.5979952	9.4162928	5171	10.5837072	10.0142881	329	9.9857119	23
38	9.4024889	4835	10.5975111	9.4168099	5166	10.5831901	10.0143210	330	9.9856790	22
39 40	9·4029724 9·4034554	4830	10·5970276 10·5965446	9·4173265 9·4178425	5160	10.5826735 10.5821575	10.0143540	331	9.9856460 9.9856129	21
40		4824			5155		10.0143871	331	9 9890129	20
41	9.4039378	4818	10.5960622	9.4183580	5149	10.5816420	10.0144202	331	9.9855798	19
42	9.4044196	4813	10.5955804	9.4188729	5145	10.5811271	10.0144533	332	9.9855467	18
43	9.4049009	4807	10.5950991	9.4193874	5139	10.5806126	10.0144865	332	9.9855135	17
44	9.4053816	4801	10.5946184	9.4199013	5133	10.5800987	10.0145197	332	9.9854803	16
45	9.4058617	4796	10.5941383	9.4204146	5129	10.5795854	10.0145529	333	9.9854471	15
46	9.4063413		10.5936587	9.4209275		10.5790725	10.0145862		9.9854138	14
47	9.4068203	4790	10.5931797	9.4214398	5123	10.5785602	10.0146195	333	9.9853805	13
48	9.4072987	4784	10.5927013	9.4219515	5117	10.5780485	10.0146529	334 333	9.9853471	12
49	9.4077766	4779 4773	10.5922234	9.4224628	5113 5107	10.5775372	10.0146862	335	9.9853138	11
50	9.4082539	4767	10.5917461	9.4229735	5107	10.5770265	10.0147197	335	9.9852803	10
51	9.4087306		10.5912694	9.4234838		10.5765162	10.0147532		9.9852468	9
52	9.4092068	4762	10.5907932	9.4239935	5097	10.5760065	10.0147867	335	9.9852133	
53	9.4096824	4756	10.5903176	9.4245026	5091	10.5754974	10.0148202	335	9.9851798	8 7
54	9.4101575	4751	10.5898425	9.4250113	5087	10.5749887	10.0148538	336	9.9851462	6
55	9.4106320	4745	10.5893680	9.4255194	5081	10.5744806	10.0148875	337	9.9851125	5
56	9.4111059	4739	10.5888941	9.4260271	5077	10.5739729	10.0149211	336	9.9850789	4
57	9.4111039	4734	10.5884207	9.4265342	5071	10 5734658	10.0149211	337	9.9850452	3
58	9.4120522	4729	10.5879478	9.4270408	5066	10.5729592	10.0149886	338	9.9850114	2
59	9.4125245	4723	10.5874755	9.4275469	5061	10.5724531	10.0150224	338	9.9849776	î
60	9.4129962	4717	10.5870038	9.4280525	5056	10.5719475	10.0150562	338	9.9849438	ō
	- 1220002		_,,	- 1000020		0,10110			- 0010100	
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
	1									
	I									

	1									1
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.4129962	47710	10.5870038	9.4280525	5050	10.5719475	10.0150562	000	9.9849438	60
1	9.4134674	4712	10.5865326	9.4285575	5050	10.5714425	10.0150901	339 339	9.9849099	59
2	9.4139381	$4707 \\ 4701$	10.5860619	9.4290621	5046	10.5709379	10.0151240		9.9848760	58
3	9.4144082	4696	10.5855918	9.4295661	5040	10.5704339	10.0151580	340	9.9848420	57
4	9.4148778	4690	10.5851222	9.4300697	5036 5030	10.5699303	10.0151919	339 341	9.9848081	56
5	9.4153468	4684	10.5846532	9.4305727	5026	10.5694273	10.0152260	340	9.9847740	55
6	9.4158152		10.5841848	9.4310753		10.5689247	10.0152600		9.9847400	54
7	9.4162832	4680	10.5837168	9.4315773	5020	10.5684227	10.0152941	341	9.9847059	53
8	9.4167506	4674	10.5832494	9.4320789	5016	10.5679211	10.0153283	342	9.9846717	52
9	9.4172174	4668	10.5827826	9.4325799	5010	10.5674201	10.0153625	342	9.9846375	51
10	9.4176837	4663 4658	10.5823163	9.4330804	5005 5001	10.5669196	10.0153967	$\frac{342}{343}$	9.9846033	50
11	9.4181495		10.5818505	9.4335805		10.5664195	10.0154310		9.9845690	49
12	9.4186148	4653	10.5813852	9.4340800	4995	10.5659200	10.0154653	343	9.9845347	48
13	9.4190795	4647	10.5809205	9.4345791	4991	10.5654209	10.0154996	343	9.9845004	47
14	9.4195436	4641	10.5804564	9.4350776	4985	10.5649224	10.0155340	344	9.9844660	46
15	9.4200073	$\frac{4637}{4631}$	10.5799927	9.4355757	4981	10.5644243	10.0155684	344 345	9.9844316	45
16	9.4204704		10.5795296	9.4360733	4976	10.5639267	10.0156029		9.9843971	44
17	9.4209330	4626	10.5790670	9.4365704	4971	10.5634296	10.0156374	345	9.9843626	43
18	9.4213950	4620	10.5786050	9.4370670	4966	10.5629330	10.0156719	345	9.9843281	42
19	9.4218566	4616	10.5781434	9.4375631	4961	10.5624369	10.0157065	346	9.9842935	41
20	9.4223176	4610	10.5776824	9.4380587	4956	10.5619413	10.0157411	346	9.9842589	40
21	9.4227780	4604	10.5772220	9.4385538	4951	10.5614462	10.0157758	347	9.9842242	1
22	9.4232380	4600	10.5767620	9.4390485	4947	10.5609515	10.0158105	347	9 9842242	39
23	9.4236974	4594	10.5763026	9.4395426	4941	10.5604574	10.0158452	347	9.9841548	38
24	9.4241563	4589	10.5758437	9.4400363	4937	10.5599637	10.0158800	348	9.9841200	37
25	9.4246147	4584	10.5753853	9.4405295	4932	10.5594705	10.0159148	348	9.9840852	35
		4579			4927			349		
26 27	9·4250726 9·4255299	4573	10.5749274 10.5744701	9·4410222 9·4415145	4923	10.5589778 10.5584855	10.0159497 10.0159846	349	9.9840503	34
28	9.4259867	4568	10.5740133	9.4420062	4917	10.5579938	10.0160195	349	9·9840154 9·9839805	33
29	9.4264430	4563	10.5735570	9.4424975	4913	10.5575025	10.0160545	350	9.9839455	32
30	9.4268988	4558	10.5731012	9.4429883	4908	10.5570117	10.0160895	350	9.9839105	30
i		4553			4903	10.5565214		350		
31 32	9.4273541	4548	10.5726459	9.4434786	4899	10.5560315	10.0161245	351	9.9838755	29
33	9·4278089 9·4282631	4542	10.5721911	9.4439685	4894	10.5555421	10.0161596 10.0161948	352	9.9838404	28
34	9.4287169	4538	10.5717369 10.5712831	9·4444579 9·4449468	4889	10.5550532	10.0162299	351	9 9838052 9 9837701	27 26
35	9.4291701	4532	10.5708299	9.4454352	4884	10.5545648	10.0162652	353	9.9837348	25
36	1	4527			4880	10.5540768		352		
37	9.4296228	4522	10.5703772 10.5699250	9.4459232	4875	10.5535893	10 0163004 10 0163357	353	9.9836996	24
38	9.4300750	4517	10.5694733	9·4464107 9·4468978	4871	10.5531022	10 0163337	353	9*9836643 9*9836290	23
39	9 4309779	4512	10.5690221	9.4473843	4865	10.5526157	10.0164064	354	9.9835936	22 21
40	9.4314286	4507	10.5685714	9.4478704	4861	10.5521296	10.0164418	354	9.9835582	20
		4502			4857			355		
41	9.4318788	4497	10.5681212	9.4483561	4852	10.5516439	10.0164773	355	9.9835227	19
42	9.4323285	4492	10.5676715 10.5672223	9·4488413 9·4493260	4847	10.5511587 10.5506740	10.0165128 10.0165483	355	9.9834872	18
43	9·4327777 9·4332264	4487	10.5667736	9.4498102	4842	10.5501898	10 0165483	356	9·9834517 9·9834161	17
45	9.4336746	4482	10.5663254	9.4502940	4838	10.5497060	10.0166195	356	9.9833805	16 15
		4477			4834			356		
46	9.4341223	4471	10.5658777	9.4507774	4828	10.5492226	10.0166551	357	9.9833449	14
47	9.4345694	4467	10.5654306	9.4512602	4825	10·5487398 10·5482573	10.0166908	357	9.9833092	13
48	9.4350161	4462	10.5649839 10.5645377	9·4517427 9·4522246	4819	10.5477754	10.0167265 10.0167623	358	9·9832735 9·9832377	12
50	9.4359080	4457	10.5640920	9.4527061	4815	10.5472939	10.0167981	358	9.9832019	11
		4452			4811			358		10
51	9.4363532	4448	10.5636468	9.4531872	4806	10.5468128	10.0168339	359	9.9831661	9
52 53	9·4367980 9·4372422	4442	10.5632020 10.5627578	9·4536678 9·4541479	4801	10.5463322 10.5458521	10.0168698	360	9.9831302 9.9830942	8
54	9.4376859	4437	10.5623141	9.4546276	4797	10.5453724	10.0169058 10.0169417	359	9*9830583	8 7 6
55	9.4381292	4433	10.5618708	9.4551069	4793	10.5448931	10.0169417	360	9 9830223	5
		4427			4788			361		
56	9.4385719	4423	10.5614281	9.4555857	4784	10.5444143	10.0170138	361	9.9829862	4
57 58	9.4390142	4418	10.5609858	9.4560641	4779	10.5439359	10.0170499	361	9.9829501	3 2
59	9·4394560 9·4398973	4413	10.5605440 10.5601027	9·4565420 9·4570194	4774	10.5434580 10.5429806	10.0170860 10.0171222	362	9.9829140	1
60	9.4403381	4408	10.5596619	9.4574964	4770	10.5425036	10.0171222	362	9·9828778 9·9828416	0
	- *************************************			2 401 1001			29,01,1004		0 0020410	ľ
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
1										

-	16 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·4403381	4403	10·5596619	9·4574964	4766	$\begin{array}{c} 10.5425036 \\ 10.5420270 \\ 10.5415509 \\ 10.5410752 \\ 10.5405999 \\ 10.5401251 \end{array}$	10·0171584	362	9·9828416	60
1	9·4407784	4398	10·5592216	9·4579730	4761		10·0171946	363	9·9828054	59
2	9·4412182	4394	10·5587818	9·4584491	4757		10·0172309	363	9·9827691	58
3	9·4416576	4389	10·5583424	9·4589248	4753		10·0172672	364	9·9827328	57
4	9·4420965	4384	10·5579035	9·4594001	4748		10·0173036	364	9·9826964	56
5	9·4425349	4379	10·5574651	9·4598749	4743		10·0173400	364	9·9826600	55
6	9·4429728	4375	10·5570272	9·4603492	4740	10·5396508	10·0173764	365	9:9826236	54
7	9·4434103	4369	10·5565897	9·4608232	4735	10·5391768	10·0174129	365	9:9825871	53
8	9·4438472	4365	10·5561528	9·4612967	4730	10·5387033	10·0174494	366	9:9825506	52
9	9·4442837	4360	10·5557163	9·4617697	4726	10·5382303	10·0174860	366	9:9825140	51
10	9·4447197	4356	10·5552803	9·4622423	4722	10·5377577	10·0175226	366	9:9824774	50
11	9·4451553	4351	10.5548447	9·4627145	4718	10·5372855	10·0175592	367	9·9824408	49
12	9·4455904	4346	10.5544096	9·4631863	4713	10·5368137	10·0175959	368	9·9824041	48
13	9·4460250	4341	10.5539750	9·4636576	4709	10·5363424	10·0176326	368	9·9823674	47
14	9·4464591	4336	10.5535409	9·4641285	4705	10·5358715	10·0176694	368	9·9823306	46
15	9·4468927	4332	10.5531073	9·4645990	4700	10·5354010	10·0177062	369	9·9822938	45
16	9·4473259	4327	10·5526741	9·4650690	4696	10·5349310	10·0177431	368	9·9822569	44
17	9·4477586	4323	10·5522414	9·4655386	4692	10·5344614	10·0177799	370	9·9822201	43
18	9·4481909	4318	10·5518091	9·4660078	4687	10·5339922	10·0178169	369	9·9821831	42
19	9·4486227	4313	10·5513773	9·4664765	4683	10·5335235	10·0178538	370	9·9821462	41
20	9·4490540	4309	10·5509460	9·4669448	4679	10·5330552	10·0178908	371	9·9821092	40
21	9·4494849	4304	10.5505151	9·4674127	4675	10·5325873	10·0179279	370	9·9820721	39
22	9·4499153	4299	10.5500847	9·4678802	4671	10·5321198	10·0179649	372	9·9820351	38
23	9·4503452	4295	10.5496548	9·4683473	4666	10·5316527	10·0180021	371	9·9819979	37
24	9·4507747	4290	10.5492253	9·4688139	4662	10·5311861	10·0180392	372	9·9819608	36
25	9·4512037	4285	10.5487963	9·4692801	4658	10·5307199	10·0180764	373	9·9819236	35
26	9·4516322	4281	10·5483678	9·4697459	4653	$\begin{array}{c} 10.5302541 \\ 10.5297888 \\ 10.5293238 \\ 10.5288593 \\ 10.5283952 \end{array}$	10·0181137	373	9·9818863	34
27	9·4520603	4276	10·5479397	9·4702112	4650		10·0181510	373	9·9818490	33
28	9·4524879	4272	10·5475121	9·4706762	4645		10·0181883	373	9·9818117	32
29	9·4529151	4267	10·5470849	9·4711407	4641		10·0182256	374	9·9817744	31
30	9·4533418	4263	10·5466582	9·4716048	4637		10·0182630	375	9·9817370	30
31	9·4537681	4258	10.5462319	9·4720685	4633	10·5279315	10.0183005	375	9·9816995	29
32	9·4541939	4253	10.5458061	9·4725318	4629	10·5274682	10.0183380	375	9·9816620	28
33	9·4546192	4249	10.5453808	9·4729947	4625	10·5270053	10.0183755	375	9·9816245	27
34	9·4550441	4245	10.5449559	9·4734572	4620	10·5265428	10.0184130	376	9·9815870	26
35	9·4554686	4240	10.5445314	9·4739192	4616	10·5260808	10.0184506	377	9·9815494	25
36	9·4558926	4235	10.5441074	9·4743808	4613	10·5256192	10·0184883	377	9·9815117	24
37	9·4563161	4231	10.5436839	9·4748421	4608	10·5251579	10·0185260	377	9·9814740	23
38	9·4567392	4226	10.5432608	9·4753029	4604	10·5246971	10·0185637	377	9·9814363	22
39	9·4571618	4222	10.5428382	9·4757633	4600	10·5242367	10·0186014	378	9·9813986	21
40	9·4575840	4218	10.5424160	9·4762233	4596	10·5237767	10·0186392	379	9·9813608	20
41 42 43 44 45	9·4580058 9·4584271 9·4588480 9·4592684 9·4596884	4213 4209 4204 4200	10.5419942 10.5415729 10.5411520 10.5407316 10.5403116	9:4766829 9:4771421 9:4776009 9:4780592 9:4785172	4592 4588 4583 4580 4576	10·5233171 10·5228579 10·5223991 10·5219408 10·5214828	10·0186771 10·0187150 10·0187529 10·0187909 10·0188289	379 379 380 380 380	9·9813229 9·9812850 9·9812471 9·9812091 9·9811711	19 18 17 16 15
46 47 48 49 50	9·4601079 9·4605270 9·4609456 9·4613638 9·4617816	4195 4191 4186 4182 4178 4178	10·5398921 10·5394730 10·5390544 10·5386362 10·5382184	9·4789748 9·4794319 9·4798887 9·4803451 9·4808011	4571 4568 4564 4560 4555	10·5210252 10·5205681 10·5201113 10·5196549 10·5191989	10.0188669 10.0189050 10.0189431 10.0189813 10.0190195	381 381 382 382 382	9·9811331 9·9810950 9·9810569 9·9810187 9·9809805	14 13 12 11 10
51	9·4621989	4169	$\begin{array}{c} 10.5378011 \\ 10.5373842 \\ 10.5369677 \\ 10.5365517 \\ 10.5361361 \end{array}$	9·4812566	4552	10·5187434	10·0190577	383	9·9809423	9
52	9·4626158	4165		9·4817118	4548	10·5182882	10·0190960	383	9·9809040	8
53	9·4630323	4160		9·4821666	4544	10·5178334	10·0191343	384	9·9808657	7
54	9·4634483	4156		9·4826210	4540	10·5173790	10·0191727	384	9·9808273	6
55	9·4638639	4151		9·4830750	4536	10·5169250	10·0192111	384	9·9807889	5
56 57 58 59 60	9·4642790 9·4646938 9·4651081 9·4655219 9·4659353	4148 4143 4138 4134	10·5357210 10·5353062 10·5348919 10·5344781 10·5340647	9·4835286 9·4839818 9·4844346 9·4848870 9·4853390	4532 4528 4524 4520	10·5164714 10·5160182 10·5155654 10·5151130 10·5146610	$\begin{array}{c} 10.0192495 \\ 10.0192880 \\ 10.0193265 \\ 10.0193651 \\ 10.0194037 \end{array}$	385 385 386 386	9 9807505 9 9807120 9 9806735 9 9806349 9 9805963	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

	17 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·4659353 9·4663483	4130	10:5340647 10:5336517	9·4853390 9·4857907	4517	10.5146610 10.5142093	10·0194037 10·0194423	386 387	9·9805963 9·9805577	60 59
3	9.4667609 9.4671730 9.4675848	4126 4121 4118	10.5332391 10.5328270	9·4862419 9·4866928	4512 4509 4505	10.5137581 10.5133072	10.0194810 10.0195197	387 388	9.9805190 9.9804803	58 57 56
5	9.4679960	$\frac{4112}{4109}$	10·5324152 10·5320040	9·4871433 9·4875933	$\frac{4500}{4497}$	10.5128567 10.5124067	10.0195585	388 388	9·9804415 9·9804027	55 54
6 7 8	9.4684069 9.4688173 9.4692273	4104 4100	10.5315931 10.5311827 10.5307727	9·4880430 9·4884924 9·4889413	4494 4489	10.5119570 10.5115076 10.5110587	10.0196361 10.0196750 10.0197140	389 390	9·9803639 9·9803250 9·9802860	53 52
9 10	9·4696369 9·4700461	4096 4092 4087	10·5303631 10·5299539	9·4893898 9·4898380	4485 4482 4478	10.5106102 10.5101620	10·0197529 10·0197919	389 390 391	9·9802471 9·9802081	51 50
11 12 13	9·4704548 9·4708631	4083 4079	10.5295452 10.5291369 10.5287290	9·4902858 9·4907332 9·4911802	4474 4470	10.5097142 10.5092668 10.5088198	10.0198310 10.0198701	391 391	9·9801690 9·9801299 9·9800908	49 48 47
14 15	9·4712710 9·4716785 9·4720856	4075 4071 4066	10.5283215 10.5279144	9·4916269 9·4920731	4467 4462 4459	10·5083731 10·5079269	10.0199092 10.0199484 10.0199876	392 392 392	9.9800516 9.9800124	46 45
16 17	9·4724922 9·4728985	4063 4058	10·5275078 10·5271015	9·4925190 9·4929646	4456 4451	10·5074810 10·5070354	10.0200268 10.0200661	393 393	9·9799732 9·9799339	44 43
18 19 20	9·4733043 9·4737097 9·4741146	4054 4049 4046	10.5266957 10.5262903 10.5258854	9·4934097 9·4938545 9·4942988	$\frac{4448}{4443}$	10.5065903 10.5061455 10.5057012	10.0201054 10.0201448 10.0201842	394 394 394	9.9798946 9.9798552 9.9798158	42 41 40
21 22	9·4745192 9·4749234	4042 4037	10.5254808 10.5250766	9·4947429 9·4951865	4441 4436 4433	10·5052571 10·5048135	$\frac{10.0202236}{10.0202631}$	395 396	9·9797764 9·9797369	39 38
23 24 25	9·4753271 9·4757304 9·4761334	$\frac{4033}{4030}$	10·5246729 10·5242696 10·5238666	9·4956298 9·4960727 9·4965152	$\frac{4429}{4425}$	10.5043702 10.5039273 10.5034848	10.0203027 10.0203422 10.0203818	395 396 397	9·9796973 9·9796578 9·9796182	37 36 35
26 27	9·4765359 9·4769380	4025 4021 4016	10·5234641 10·5230620	9·4969574 9·4973991	4422 4417 4415	10·5030426 10·5026009	10°0204215 10°0204612	397 397	9·9795785 9·9795388	34 33
28 29 30	9·4773396 9·4777409 9·4781418	4013 4009	10.5226604 10.5222591 10.5218582	9·4978406 9·4982816 9·4987223	4410 4407	10.5021594 10.5017184 10.5012777	10.0205009 10.0205407 10.0205805	398 398	9.9794991 9.9794593 9.9794195	32 31 30
31 32	9·4785423 9·4789423	4005 4000 3997	10·5214577 10·5210577	9·4991626 9·4996026	4403 4400 4396	10·5008374 10·5003974	10.0206204 10.0206602	399 398 400	9·9793796 9·9793398	29 28
33 34 35	9·4793420 9·4797412 9·4801401	3992 3989 3984	10.5206580 10.5202588 10.5198599	9·5000422 9·5004814 9·5009203	$\frac{4392}{4389}$	10·4999578 10·4995186 10·4990797	10.0207002 10.0207401 10.0207802	399 401 400	9.9792998 9.9792599 9.9792198	27 26 25
36 37	9·4805385 9·4809366	3981 3976	10·5194615 10·5190634	9·5013588 9·5017969	4385 4381 4378	10·4986412 10·4982031	10.0208202 10.0208603	401 401	9·9791798 9·9791397	24 23
38 39 40	9·4813342 9·4817315 9·4821283	3973 3968	10.5186658 10.5182685 10.5178717	9·5022347 9·5026721 9·5031092	$\frac{4374}{4371}$	10·4977653 10·4973279 10·4968908	10.0209004 10.0209406 10.0209808	402 402 403	9·9790996 9·9790594 9·9790192	22 21 20
41 42	9·4825248 9·4829208	3965 3960 3957	10·5174752 10·5170792	9·5035459 9·5039822	4367 4363 4360	10·4964541 10·4960178	10.0210211 10.0210614	403 403	9·9789789 9·9789386	19 18
43 44 45	9·4833165 9·4837117 9·4841066	$\frac{3952}{3949}$	10.5166835 10.5162883 10.5158934	9·5044182 9·5048538 9·5052891	$\frac{4356}{4353}$	10·4955818 10·4951462 10·4947109	10.0211017 10.0211421 10.0211825	404 404 405	9·9788983 9·9788579 9·9788175	17 16 15
46 47	9·4845010 9·4848951	3944 3941 3937	10·5154990 10·5151049	9·5057240 9·5061586	4349 4346 4342	10·4942760 10·4938414	10.0212230 10.0212635	405 405	9·9787770 9·9787365	14 13
48 49 50	9.4852888 9.4856820 9.4860749	$\frac{3932}{3929}$	10.5147112 10.5143180 10.5139251	9·5065928 9·5070267 9·5074602	$\frac{4339}{4335}$	10·4934072 10·4929733 10·4925398	10.0213040 10.0213446 10.0213852	406 406	9·9786960 9·9786554 9·9786148	12 11 10
51 52	9·4864674 9·4868595	3925 3921 3917	10·5135326 10·5131405	9·5078933 9·5083261	4331 4328 4325	10·4921067 10·4916739	10·0214259 10·0214666	407 407 407	9·9785741 9·9785334	9 8 7
53 54 55	9·4872512 9·4876426 9·4880335	3914 3909 3905	10·5127488 10·5123574 10·5119665	9·5087586 9·5091907 9·5096224	4321 4317 4315	10·4912414 10·4908093 10·4903776	10.0215073 10.0215481 10.0215889	408 408 409	9·9784927 9·9784519 9·9784111	6 5
56 57 58	9·4884240 9·4888142 9·4892040	3902 3898	10.5115760 10.5111858	9·5100539 9·5104849	4310 4307	10.4899461 10.4895151	10.0216298 10.0216707	409 410	9·9783702 9·9783293	3 2
59 60	9·4892040 9·4895934 9·4899824	3894 3890	10.5107960 10.5104066 10.5100176	9·5109156 9·5113460 9·5117760	4304 4300	10.4890844 10.4886540 10.4882240	10.0217117 10.0217526 10.0217937	409 411	9·9782883 9·9782474 9·9782063	1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1.

	16 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·4899824	3886	10·5100176	9·5117760	4297	10·4882240	10·0217937	410	9·9782063	60
1	9·4903710	3882	10·5096290	9·5122057	4294	10·4877943	10·0218347	412	9·9781653	59
2	9·4907592	3879	10·5092408	9·5126351	4290	10·4873649	10·0218759	411	9·9781241	58
3	9·4911471	3874	10·5088529	9·5130641	4286	10·4869359	10·0219170	412	9·9780830	57
4	9·4915345	3871	10·5084655	9·5134927	4283	10·4865073	10·0219582	412	9·9780418	56
5	9·4919216	3867	10·5080784	9·5139210	4280	10·4860790	10·0219994	413	9·9780006	55
6	9·4923083	3863	10·5076917	9·5143490	4276	10:4856510	10·0220407	413	9·9779593	54
7	9·4926946	3860	10·5073054	9·5147766	4273	10:4852234	10·0220820	414	9·9779180	53
8	9·4930806	3855	10·5069194	9·5152039	4270	10:4847961	10·0221234	413	9·9778766	52
9	9·4934661	3852	10·5065339	9·5156309	4266	10:4843691	10·0221647	415	9·9778353	51
10	9·4938513	3848	10·5061487	9·5160575	4263	10:4839425	10·0222062	415	9·9777938	50
11	9·4942361	3844	10·5057639	9·5164838	4259	10·4835162	10·0222477	415	9·9777523	49
12	9·4946205	3841	10·5053795	9·5169097	4256	10·4830903	10·0222892	415	9·9777108	48
13	9·4950046	3837	10·5049954	9·5173353	4253	10·4826647	10·0223307	416	9·9776693	47
14	9·4953883	3833	10·5046117	9·5177606	4249	10·4822394	10·0223723	417	9·9776277	46
15	9·4957716	3829	10·5042284	9·5181855	4246	10·4818145	10·0224140	416	9·9775860	45
16	9·4961545	3825	10·5038455	9·5186101	4243	10·4813899	10·0224556	418	9·9775444	44
17	9·4965370	3822	10·5034630	9·5190344	4239	10·4809656	10·0224974	417	9·9775026	43
18	9·4969192	3818	10·5030808	9·5194583	4236	10·4805417	10·0225391	418	9·9774609	42
19	9·4973010	3814	10·5026990	9·5198819	4233	10·4801181	10·0225809	419	9·9774191	41
20	9·4976824	3811	10·5023176	9·5203052	4230	10·4796948	10·0226228	418	9·9773772	40
21	9·4980635	3807	10·5019365	9·5207282	4226	10·4792718	10·0226646	420	9·9773354	39
22	9·4984442	3803	10·5015558	9·5211508	4222	10·4788492	10·0227066	419	9·9772934	38
23	9·4988245	3800	10·5011755	9·5215730	4220	10·4784270	10·0227485	420	9·9772515	37
24	9·4992045	3795	10·5007955	9·5219950	4216	10·4780050	10·0227905	421	9·9772095	36
25	9·4995840	3793	10·5004160	9·5224166	4213	10·4775834	10·0228326	421	9·9771674	35
26 27 28 29 30	9·4999633 9·5003421 9·5007206 9·5010987 9·5014764	3788 3785 3781 3777 3774	10·5000367 10·4996579 10·4992794 10·4989013 10·4985236	9·5228379 9·5232589 9·5236795 9·5240999 9·5245199	4210 4206 4204 4200 4196	10·4771621 10·4767411 10·4763205 10·4759001 10·4754801	10.0228747 10.0229168 10.0229590 10.0230012 10.0230434	421 422 422 422 422 423	9·9771253 9·9770832 9·9770410 9·9769988 9·9769566	34 33 32 31 30
31	9·5018538	3770	10·4981462	9·5249395	4194	10·4750605	10 0230857	423	9·9769143	29
32	9·5022308	3767	10·4977692	9·5253589	4190	10·4746411	10 0231280	424	9·9768720	28
33	9·5026075	3763	10·4973925	9·5257779	4187	10·4742221	10 0231704	424	9·9768296	27
34	9·5029838	3759	10·4970162	9·5261966	4184	10·4738034	10 0232128	425	9·9767872	26
35	9·5033597	3756	10·4966403	9·5266150	4181	10·4733850	10 0232553	425	9·9767447	25
36	9·5037353	3752	10·4962647	9 5270331	4177	10·4729669	10·0232978	425	9·9767022	24
37	9·5041105	3748	10·4958895	9 5274508	4174	10·4725492	10·0233403	426	9·9766597	23
38	9·5044853	3745	10·4955147	9 5278682	4171	10·4721318	10·0233829	426	9·9766171	22
39	9·5048598	3741	10·4951402	9 5282853	4168	10·4717147	10·0234255	427	9·9765745	21
40	9·5052339	3738	10·4947661	9 5287021	4165	10·4712979	10·0234682	427	9·9765318	20
41	9·5056077	3734	10·4943923	9·5291186	4161	10·4708814	10·0235109	427	9·9764891	19
42	9·5059811	3731	10·4940189	9·5295347	4158	10·4704653	10·0235536	428	9·9764464	18
43	9·5063542	3727	10·4936458	9·5299505	4156	10·4700495	10·0235964	428	9·9764036	17
44	9·5067269	3723	10·4932731	9·5303661	4152	10·4696339	10·0236392	429	9·9763608	16
45	9·5070992	3720	10·4929008	9·5307813	4148	10·4692187	10·0236821	429	9·9763179	15
46	9·5074712	3716	10·4925288	9·5311961	4146	10·4688039	10·0237250	429	9·9762750	14
47	9·5078428	3713	10·4921572	9·5316107	4143	10·4683893	10·0237679	430	9·9762321	13
48	9·5082141	3709	10·4917859	9·5320250	4139	10·4679750	10·0238109	430	9·9761891	12
49	9·5085850	3706	10·4914150	9·5324389	4137	10·4675611	10·0238539	431	9·9761461	11
50	9·5089556	3702	10·4910444	9·5328526	4133	10·4671474	10·0238970	431	9·9761030	10
51	9·5093258	3698	10·4906742	9·5332659	4130	10·4667341	10·0239401	432	9:9760599	9
52	9·5096956	3695	10·4903044	9·5336789	4127	10·4663211	10·0239833	431	9:9760167	8
53	9·5100651	3692	10·4899349	9·5340916	4124	10·4659084	10·0240264	433	9:9759736	7
54	9·5104343	3688	10·4895657	9·5345040	4121	10·4654960	10·0240697	433	9:9759303	6
55	9·5108031	3685	10·4891969	9·5349161	4117	10·4650839	10·0241130	433	9:9758870	5
56 57 58 59 60	9·5111716 9·5115397 9·5119074 9·5122749 9·5126419	3681 3677 3675 3670	10:488284 10:4884603 10:4880926 10:4877251 10:4873581	9·5353278 9·5357393 9·5361505 9·5365613 9·5369719	4115 4112 4108 4106	10·4646722 10·4642607 10·4638495 10·4634387 10·4630281	10·0241563 10·0241996 10·0242430 10·0242865 10·0243299	433 434 435 434	9:9758437 9:9758004 9:9757570 9:9757135 9:9756701	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
	1									1

_	19 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9·5126419	3667	10·4873581	9·5369719	4102	10.4630281	10·0243299	436	9·9756701	60
1	9·5130086	3664	10·4869914	9·5373821	4099	10.4626179	10·0243735	435	9·9756265	59
2	9·5133750	3660	10·4866250	9·5377920	4097	10.4622080	10·0244170	436	9·9755830	58
3	9·5137410	3657	10·4862590	9·5382017	4093	10.4617983	10·0244606	437	9·9755394	57
4	9·5141067	3654	10·4858933	9·5386110	4090	10.4613890	10·0245043	436	9·9754957	56
5	9·5144721	3650	10·4855279	9·5390200	4087	10.4609800	10·0245479	438	9·9754521	55
6	9·5148371	3646	10.4851629	9·5394287	4084	10·4605713	10.0245917	437	9·9754083	54
7	9·5152017	3643	10.4847983	9·5398371	4082	10·4601629	10.0246354	438	9·9753646	53
8	9·5155660	3640	10.4844340	9·5402453	4078	10·4597547	10.0246792	439	9·9753208	52
9	9·5159300	3636	10.4840700	9·5406531	4075	10·4593469	10.0247231	439	9·9752769	51
10	9·5162936	3633	10.4837064	9·5410606	4072	10·4589394	10.0247670	439	9·9752330	50
11	9·5166569	3629	10:4833431	9·5414678	4069	10·4585322	10·0248109	440	9·9751891	49
12	9·5170198	3626	10:4829802	9·5418747	4066	10·4581253	10·0248549	440	9·9751451	48
13	9·5173824	3623	10:4826176	9·5422813	4064	10·4577187	10·0248989	441	9·9751011	47
14	9·5177447	3619	10:4822553	9·5426877	4060	10·4573123	10·0249430	441	9·9750570	46
15	9·5181066	3616	10:4818934	9·5430937	4057	10·4569063	10·0249871	441	9·9750129	45
16 17 18 19 20	9·5184682 9·5188295 9·5191904 9·5195510 9·5199112	3613 3609 3606 3602 3599	10·4815318 10·4811705 10·4808096 10·4804490 10·4800888	9·5434994 9·5439048 9·5443100 9·5447148 9·5451193	4054 4052 4048 4045 4043	10·456506 10·4560952 10·4556900 10·4552852 10·4548807	10.0251196 10.0251639 10.0252082	442 442 443 443 443	9·9749688 9·9749246 9·9748804 9·9748361 9·9747918	44 43 42 41 40
21	9·5202711	3596	10·4797289	9·5455236	4040	10·4544764	10.0252525	444	9·9747475	39
22	9·5206307	3592	10·4793693	9·5459276	4036	10·4540724	10.0252969	444	9·9747031	38
23	9·5209899	3589	10·4790101	9·5463312	4034	10·4536688	10.0253413	445	9·9746587	37
24	9·5213488	3586	10·4786512	9·5467346	4031	10·4532654	10.0253858	445	9·9746142	33
25	9·5217074	3582	10·4782926	9·5471377	4028	10·4528623	10.0254303	445	9·9745697	35
26	9·5220656	3579	10·4779344	9·5475405	4025	10·4524595	10·0254748	446	9·9745252	34
27	9·5224235	3576	10·4775765	9·5479430	4022	10·4520570	10·0255194	447	9·9744806	33
28	9·5227811	3572	10·4772189	9·5483452	4019	10·4516548	10·0255641	446	9·9744359	32
29	9·5231383	3570	10·4768617	9·5487471	4016	10·4512529	10·0256087	447	9·9743913	31
30	9·5234953	3565	10·4765047	9·5491487	4013	10·4508513	10·0256534	448	9·9743466	30
31 32 33 34 35	9·5238518 9·5242081 9·5245640 9·5249196 9·5252749	3563 3559 3556 3553 3549	10·4761482 10·4757919 10·4754360 10·4750804 10·4747251	9·5495500 9·5499511 9·5503519 9·5507523 9·5511525	4011 4008 4004 4002 3999	10·4504500 10·4500489 10·4496481 10·4492477 10·4488475	10·0256982 10·0257430 10·0257878 10·0258327 10·0258776	448 448 449 449	9·9743018 9·9742570 9·9742122 9·9741673 9·9741224	29 28 27 26 25
36	9·5256298	3546	10·4743702	9·5515524	3997	10·4484476	10·0259226	450	9·9740774	24
37	9·5259844	3543	10·4740156	9·5519521	3993	10·4480479	10·0259676	451	9·9740324	23
38	9·5263387	3540	10·4736613	9·5523514	3990	10·4476486	10·0260127	451	9·9739873	22
39	9·5266927	3536	10·4733673	9·5527504	3988	10·4472496	10·0260578	451	9·9739422	21
40	9·5270463	3534	10·4729537	9·5531492	3985	10·4468508	10·0261029	452	9·9738971	20
41	9·5273997	3529	10·4726003	9·5535477	3982	10·4464523	10·0261481	452	9·9738519	19
42	9·5277526	3527	10·4722474	9·5539459	3979	10·4460541	10·0261933	452	9·9738067	18
43	9·5281053	3524	10·4718947	9·5543438	3977	10·4456562	10·0262885	453	9·9737615	17
44	9·5284577	3520	10·4715423	9·5547415	3973	10·4452585	10·0262838	453	9·9737162	16
45	9·5288097	3517	10·4711903	9·5551388	3971	10·4448612	10·0263291	454	9·9736709	15
46	9·5291614	3514	.10·4708386	9·5555359	3968	10:4444641	10·0263745	454	9 9736255	14
47	9·5295128	3510	10·4704872	9·5559327	3965	10:4440673	10·0264199	455	9 9735801	13
48	9·5298638	3508	10·4701362	9·5563292	3963	10:4436708	10·0264654	455	9 9735346	12
49	9·5302146	3504	10·4697854	9·5567255	3959	10:4432745	10·0265109	456	9 9734891	11
50	9·5305650	3501	10·4694350	9·5571214	3957	10:4428786	10·0265565	455	9 9734435	10
51	9·5309151	3498	10.4690849	9·5575171	3954	10·4424829	10.0266020	457	9·9733980	9
52	9·5312649	3494	10.4687351	9·5579125	3952	10·4420875	10.0266477	456	9·9733523	8
53	9·5316143	3492	10.4683857	9·5583077	3948	10·4416923	10.0266933	457	9·9733067	7
54	9·5319635	3488	10.4680365	9·5587025	3946	10·4412975	10.0267390	458	9·9732610	6
55	9·5323123	3485	10.4676877	9·5590971	3943	10·4409029	10.0267848	458	9·9732152	5
56 57 58 59 60	9·5326608 9·5330090 9·5333569 9·5337044 9·5340517	3482 3479 3475 3473	10·4673392 10·4669910 10·4666431 10·4662956 10·4659483	9·5594914 9·5598854 9·5602792 9·5606727 9·5610659	3940 3938 3935 3932	10·4405086 10·4401146 10·4397208 10·4393273 10·4389341	10°0268306 10°0268764 10°0269223 10°0269682 10°0270142	458 459 459 460	9·9731694 9·9731236 9·9730777 9·9730318 9·9729858	4 3 2 1 0
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

	20 Deg.		•							
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1.
0 1 2 3 4 5	9·5340517 9·5343986 9·5347452 9·5350915 9·5354375 9·5357832	3469 3466 3463 3460 3457 3454	10.4659483 10.4656014 10.4652548 10.4649085 10.4645625 10.4642168	9·5610659 9·5614588 9·5618515 9·5622439 9·5626360 9·5630278	3929 3927 3924 3921 3918 3916	10·4389341 10·4385412 10·4381485 10·4377561 10·4373640 10·4369722	10·0270142 10·0270602 10·0271062 10·0271523 10·0271984 10·0272446	460 460 461 461 462 462	9·9729858 9·9729398 9·9728938 9·9728477 9·9728016 9·9727554	59 58 57 56 55
6 7 8 9 10	9·5361286 9·5364737 9·5368184 9·5371629 9·5375070	3451 3447 3445 3441 3438	10·4638714 10·4635263 10·4631816 10·4628371 10 4624930	9:5634194 9:5638107 9:5642018 9:5645925 9:5649831	3913 3911 3907 3906 3902	10·4365806 10·4361893 10·4357982 10·4354075 10·4350169	10·0272908 10·0273371 10·0273834 10·0274297 10·0274761	463 463 464 464	9·9727092 9·9726629 9·9726166 9·9725703 9·9725239	54 53 52 51 50
11	9·5378508	3435	10·4621492	9·5653733	3900	10·4346267	10·0275225	465	9·9724775	49
12	9·5381943	3432	10·4618057	9·5657633	3897	10·4342367	10·0275690	465	9·9724310	48
13	9·5385375	3429	10·4614625	9·5661530	3894	10·4338470	10·0276155	465	9·9723845	47
14	9·5388804	3426	10·4611196	9·5665424	3892	10·4334576	10·0276620	466	9·9723380	46
15	9·5392230	3423	10·4607770	9·5669316	3889	10·4330684	10·0277086	466	9·9722914	45
16	9·5395653	3420	10·4604347	9·5673205	3886	10·4326795	10·0277552	467	9·9722448	44
17	9·5399073	3416	10·4600927	9·5677091	3884	10·4322909	10·0278019	467	9·9721981	43
18	9·5402489	3414	10·4597511	9·5680975	3881	10·4319025	10·0278486	467	9·9721514	42
19	9·5405903	3411	10·4594097	9·5684856	3879	10·4315144	10·0278953	468	9·9721047	41
20	9·5409314	3407	10·4590686	9·5688735	3876	10·4311265	10·0279421	469	9·9720579	40
21	9·5412721	3405	10·4587279	9·5692611	3873	10·4307389	10·0279890	468	9·9720110	39
22	9·5416126	3401	10·4583874	9·5696484	3871	10·4303516	10·0280358	470	9·9719642	38
23	9·5419527	3399	10·4580473	9·5700355	3868	10·4299645	10·0280828	469	9·9719172	37
24	9·5422926	3395	10·4577074	9·5704223	3865	10·4295777	10·0281297	470	9·9718703	36
25	9·5426321	3392	10·4573679	9·5708088	3863	10·4291912	10·0281767	471	9·9718233	35
26	9·5429713	3390	10.4570287	9·5711951	3860	10·4288049	10·0282238	471 471 472 472 472	9·9717762	34
27	9·5433103	3386	10.4566897	9·5715811	3858	10·4284189	10·0282709		9·9717291	33
28	9·5436489	3384	10.4563511	9·5719669	3855	10·4280331	10·0283180		9·9716820	32
29	9·5439873	3380	10.4560127	9·5723524	3853	10·4276476	10·0283652		9·9716348	31
30	9·5443253	3377	10.4556747	9·5727377	3850	10·4272623	10·0284124		9·9715876	30
31	9·5446630	3375	10·4553370	9·5731227	3847	10·4268773	10·0284596	473	9·9715404	29
32	9·5450005	3371	10·4549995	9·5735074	3845	10·4264926	10·0285069	474	9·9714931	28
33	9·5453376	3369	10·4546624	9·5738919	3842	10·4261081	10·0285543	473	9·9714457	27
34	9·5456745	3365	10·4543255	9·5742761	3840	10·4257239	10·0286016	475	9·9713984	26
35	9·5460110	3362	10·4539890	9·5746601	3837	10·4253399	10·0286491	474	9·9713509	25
36	9·5463472	3360	10·4536528	9·5750438	3834	10·4249562	10·0286965	475	9·9713035	24
37	9·5466832	3357	10·4533168	9·5754272	3832	10·4245728	10·0287440	476	9·9712560	23
38	9·5470189	3353	10·4529811	9·5758104	3830	10·4241896	10·0287916	476	9·9712084	22
39	9·5473542	3351	10·4526458	9·5761934	3827	10·4238066	10·0288392	476	9·9711608	21
40	9·5476893	3347	10·4523107	9·5765761	3824	10·4234239	10·0288868	477	9·9711132	20
41	9.5480240	3345	10.4519760	9·5769585	3822	10·4230415	10°0289345	477	9·9710655	19
42	9.5483585	3342	10.4516415	9·5773407	3819	10·4226593	10°0289822	477	9·9710178	18
43	9.5486927	3339	10.4513073	9·5777226	3817	10·4222774	10°0290299	478	9·9709701	17
44	9.5490266	3336	10.4509734	9·5781043	3815	10·4218957	10°0290777	479	9·9709223	16
45	9.5493602	3333	10.4506398	9·5784858	3811	10·4215142	10°0291256	479	9·9708744	15
46	9·5496935	3330	10·4503065	9·5788669	3810	10·4211331	10·0291735	479 480 480 480 481	9·9708265	14
47	9·5500265	3327	10·4499735	9·5792479	3807	10·4207521	10·0292214		9·9707786	13
48	9·5503592	3324	10·4496408	9·5796286	3804	10·4203714	10·0292694		9·9707306	12
49	9·5506916	3321	10·4493084	9·5800090	3802	10·4199910	10·0293174		9·9706826	11
50	9·5510237	3319	10·4489763	9·5803892	3799	10·4196108	10·0293654		9·9706346	10
51	9·5513556	3315	10·4486444	9·5807691	3797	10·4192309	10·0294135	482	9·9705865	9
52	9·5516871	3313	10·4483129	9·5811488	3794	10·4188512	10·0294617	481	9·9705383	8
53	9·5520184	3310	10·4479816	9·5815282	3792	10·4184718	10·0295098	483	9·9704902	7
54	9·5523494	3307	10·4476506	9·5819074	3790	10·4180926	10·0295581	482	9·9704419	6
55	9·5526801	3304	10·4473199	9·5822864	3787	10·4177136	10·0296063	483	9·9703937	5
56 57 58 59 60	9·5530105 9·5533406 9·5536704 9·5539999 9·5543292	3301 3298 3295 3293	10·4469895 10·4466594 10·4463296 10·4460001 10·4456708	9·5826651 9·5830435 9·5834217 9·5837997 9·5841774	3784 3782 3780 3777	10·4173349 10·4169565 10·4165783 10·4162003 10·4158226	10·0296546 10·0297030 10·0297514 10·0297998 10·0298483	484 484 484 485	9·9703454 9·9702970 9·9702486 9·9702002 9·9701517	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′
IL.	1									

		22 2001									
	,	Sine	T) (er	Clores	Топа	Diff.	Cotona	Scoont	D,	Cosine	,
		Sine	Diff.	Cosec.	Tang.	DIII.	Cotang.	Secant	υ.		
ı	0	9.5543292	3289	10.4456708	9.5841774	3775	10.4158226	10.0298483	485	9.9701517	60
1	1 2	9.5546581	3287	10.4453419 10.4450132	9.5845549 9.5849321	3772	10.4154451 10.4150679	10·0298968 10·0299453	485	9*9701032 9*9700547	59 58
	3	9.5553152	3284	10.4446848	9.5853091	3770 3768	10.4146909	10.0299939	$\frac{486}{487}$	9.9700061	57
	4	9 5556433	$\frac{3281}{3278}$	10.4443567	9.5856859	3765	10.4143141	10.0300426	487	9.9699574	56
	5	9.5559711	3276	10.4440289	9.5860624	3762	10.4139376	10.0300913	487	9.9699087	55
	6	9·5562987 9·5566259	3272	10·4437013 10·4433741	9 5864386 9 5868147	3761	10.4135614 10.4131853	10.0301400 10.0301888	488	9·9698600 9·9698112	54 53
	8	9.5569529	3270	10.4430471	9 5871904	3757	10.4128096	10.0302376	488 488	9.9697624	52
1	9	9.5572796	$3267 \\ 3264$	10.4427204	9.5875660	$\frac{3756}{3753}$	10.4124340	10.0302864	489	9 9697136	51
	10	9.5576060	3261	10.4423940	9.5879413	3750	10.4120587	10.0303353	488	9.9696647	50
	11 12	9·5579321 9·5582579	3258	10.4420679 10.4417421	9·5883163 9·5886912	3749	10.4116837 10.4113088	10.0303842 10.0304332	490	9.9696158 9.9695668	49
	13	9.5585835	3256	10.4414165	9.5890657	3745	10.4109343	10.0304823	491 490	9.9695177	47
	14	9.5589088	3253 3250	10.4410912	9.5894401	3744 3741	10.4105599	10.0305313	491	9 9694687	46
	15	9.5592338	3247	10.4407662	9.5898142	3739	10.4101858	10.0305804	492	9.9694196	45
	16 17	9·5595585 9·5598829	3244	10·4404415 10·4401171	9·5901881 9·5905617	3736	10.4098119 10.4094383	10.0306296 10.0306788	492	9·9693704 9·9693212	44
į	18	9.5602071	3242	10.4397929	9.5909351	3734	10.4090649	10.0307280	492	9.9692720	42
	19	9.5605310	$\frac{3239}{3236}$	10.4394690	9.5913082	$3731 \\ 3730$	10.4086918	10.0307773	493 493	9.9692227	41
	20	9.5608546	3233	10.4391454	9.5916812	3727	10.4083188	10.0308266	493	9.9691734	40
	$\frac{21}{22}$	9·5611779 9·5615010	3231	10.4388221 10.4384990	9·5920539 9·5924263	3724	10.4079461 10.4075737	10.0308759 10.0309254	495	9·9691241 9·9690746	39 38
	23	9.5618237	3227	10.4381763	9.5927985	3722	10.4072015	10.0309748	494	9.9690252	37
	24	9.5621462	$\frac{3225}{3223}$	10.4378538	9.5931705	$\frac{3720}{3718}$	10.4068295	10.0310243	$\frac{495}{495}$	9.9689757	36
	25	9.5624685	3219	10.4375315	9.5935423	3715	10.4064577	10.0310738	496	9.9689262	35
	26 27	9·5627904 9·5631121	3217	10.4372096 10.4368879	9·5939138 9·5942851	3713	10.4060862 10.4057149	10.0311234 10.0311730	496	9·9688766 9·9688270	34
	28	9.5634335	3214	10.4365665	9.5946561	3710	10.4053439	10.0311730	497	9.9687773	32
	29	9.5637546	$\frac{3211}{3208}$	10.4362454	9.5950269	3708 3706	10.4049731	10.0312724	497 497	9.9687276	31
	30	9.5640754	3206	10.4359246	9 5953975	3704	10.4046025	10.0313221	498	9.9686779	30
	$\frac{31}{32}$	9·5643960 9·5647163	3203	10.4356040 10.4352837	9·5957679 9·5961380	3701	10.4042321 10.4038620	10.0313719 10.0314217	498	9·9686281 9·9685783	29 28
	33	9.5650363	3200	10.4349637	9.5965079	3699	10.4034921	10 0314217	499 499	9.9685284	27
	34	9.5653561	$\frac{3198}{3195}$	10.4346439	9.5968776	$\frac{3697}{3694}$	10.4031224	10.0315215	499	9.9684785	26
	35	9.5656756	3192	10.4343244	9.5972470	3692	10.4027530	10.0315714	500	9.9684286	25
	36 37	9.5659948 9.5663137	3189	10.4340052 10.4336863	9·5976162 9·5979852	3690	10·4023838 10·4020148	10.0316214 10.0316715	501	9·9683786 9·9683285	24 23
1	38	9.5666324	$\frac{3187}{3184}$	10.4333676	9.5983540	3688 3685	10.4016460	10.0317216	501 501	9.9682784	22
	39	9.5669508	3181	10.4330492	9.5987225	3683	10.4012775	10.0317717	502	9.9682283	21
	40	9.5672689	3179	10.4327311	9.5990908	3680	10.4009092	10.0318219	502	9.9681781	20
	41 42	9·5675868 9·5679044	3176	10·4324132 10·4320956	9·5994588 9·5998267	3679	10.4005412 10.4001733	10.0318721 10.0319223	502	9·9681279 9·9680777	19 18
	43	9.5682217	3173	10.4317783	9.6001943	3676	10 4001753	10 0319223	503 503	9.9680274	17
	44	9.5685387	$\frac{3170}{3168}$	10.4314613	9.6005617	$\frac{3674}{3672}$	10.3994383	10.0320229	504	9.9679771	16
	45	9.5688555	3166	10.4311445	9.6009289	3669	10.3990711	10.0320733	504	9.9679267	15
- 1	46 47	9·5691721 9·5694883	3162	10·4308279 10·4305117	9·6012958 9·6016625	3667	10·3987042 10·3983375	10.0321237 10.0321742	505	9·9678763 9·9678258	14 13
	48	9.5698043	$\frac{3160}{3157}$	10.4301957	9.6020290	3665	10.3979710	10.0322247	505 506	9.9677753	12
	49	9.5701200	3155	10.4298800	9.6023953	3663 3660	10.3976047	10.0322753	506	9.9677247	11
	50	9.5704355	3151	10.4295645	9.6027613	3658	10.3972387	10.0323259	506	9 9676741	10
-	51 52	9·5707506 9·5710656	3150	10·4292494 10·4289344	9·6031271 9·6034927	3656	10·3968729 10·3965073	10.0323765 10.0324272	507	9·9676235 9·9675728	8
	53	9.5713802	$3146 \\ 3144$	10.4286198	9.6038581	3654 3652	10.3961419	10.0324779	507 508	9.9675221	7
	54 55	9.5716946	3141	10.4283054 10.4279913	9·6042233 9·6045882	3649	10·3957767 10·3954118	10.0325287 10.0325795	508	9 9674713 9 9674205	6 5
	56	9.5723226	3139	10.4276774	9.6049529	3647	10.3950471	10.0326303	508	9.9673697	4
	57	9.5726362	3136 3133	10.4273638	9.6053174	3645 3643	10.3946826	10.0326812	509 509	9.9673188	3
	58 59	9.5729495	3131	10.4270505	9.6056817	3640	10.3943183	10.0327321	510	9.9672679	2
	60	9·5732626 9·5735754	3128	10·4267374 10·4264246	9·6060457 9·6064096	3639	10·3939543 10·3935904	10:0327831 10:0328341	510	9·9672169 9·9671659	0
	,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
							-				

22 Deg.

	22 206.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·5785754	3126	10·4264246	9.6064096	3636	10:3935904	$\begin{array}{c} 10 \cdot 0328341 \\ 10 \cdot 0328852 \\ 10 \cdot 0329363 \\ 10 \cdot 0329875 \\ 10 \cdot 0330386 \\ 10 \cdot 0330899 \end{array}$	511	9·9671659	60
1	9·5788880	3123	10·4261120	9.6067732	3634	10:3932268		511	9·9671148	59
2	9·5742003	3120	10·4257997	9.6071366	3631	10:3928634		512	9·9670637	58
3	9·5745123	3117	10·4254877	9.6074997	3630	10:3925003		511	9·9670125	57
4	9·5748240	3116	10·4251760	9.6078627	3627	10:3921373		513	9·9669614	56
5	9·5751356	3112	10·4248644	9.6082254	3626	10:3917746		513	9·9669101	55
6	9·5754468	3110	10·4245532	9·6085880	3623	10·3914120	10.0331412	513	9·9668588	54
7	9·5757578	3107	10·4242422	9·6089503	3621	10·3910497	10.0331925	513	9·9668075	53
8	9·5760685	3105	10·4239315	9·6093124	3618	10·3906876	10.0332438	514	9·9667562	52
9	9·5763790	3102	10·4236210	9·6096742	3617	10·3903258	10.0332952	515	9·9667048	51
10	9·5766892	3099	10·4233108	9·6100359	3614	10·3899641	10.0333467	515	9·9666533	50
11	9·5769991	3097	10·4230009	9.6103973	3613	10·3896027	10.0333982	515	9·9666018	49
12	9·5773088	3095	10·4226912	9.6107586	3610	10·3892414	10.0334497	516	9·9665503	48
13	9·5776183	3092	10·4223817	9.6111196	3608	10·3888804	10.0335013	516	9·9664987	47
14	9·5779275	3089	10·4220725	9.6114804	3605	10·3885196	10.0335529	517	9·9664471	46
15	9·5782364	3086	10·4217636	9.6118409	3604	10·3881591	10.0336046	517	9·9663954	45
16	9·5785450	3085	10·4214550	9.6122013	3602	10·3877987	10.0336563	517	9·9663437	44
17	9·5788535	3081	10·4211465	9.6125615	3599	10·3874385	10.0337080	518	9·9662920	43
18	9·5791616	3079	10·4208384	9.6129214	3598	10·3870786	10.0337598	518	9·9662402	42
19	9·5794695	3077	10·4205305	9.6132812	3595	10·3867188	10.0338116	519	9·9661884	41
20	9·5797772	3073	10·4202228	9.6136407	3593	10·3863593	10.0338635	519	9·9661365	40
21	9·5800845	3072	10·4199155	9.6140000	3591	10:3860000	10·0339154	520	9-9660846	39
22	9·5803917	3069	10·4196083	9.6143591	3589	10:3856409	10·0339674	520	9-9660326	38
23	9·5806986	3066	10·4193014	9.6147180	3586	10:3852820	10·0340194	521	9-9659806	37
24	9·5810052	3064	10·4189948	9.6150766	3585	10:3849234	10·0340715	521	9-9659285	36
25	9·5813116	3061	10·4186884	9.6154351	3583	10:3845649	10·0341236	521	9-9658764	35
26	9·5816177	3059	10·4183823	9.6157934	3580	10·3842066	10.0341757	522	9.9658243	34
27	9·5819236	3056	10·4180764	9.6161514	3579	10·3838486	10.0342279	522	9.9657721	33
28	9·5822292	3053	10·4177708	9.6165093	3576	10·3834907	10.0342801	522	9.9657199	32
29	9·5825345	3052	10·4174655	9.6168669	3574	10·3831331	10.0343323	524	9.9656677	31
30	9·5828397	3048	10·4171603	9.6172243	3572	10·3827757	10.0343847	523	9.9656153	30
31	9·5831445	3046	10·4168555	9·6175815	3570	10·3824185	10.0344370	524	9.9655630	29
32	9·5834491	3044	10·4165509	9·6179385	3568	10·3820615	10.0344894	524	9.9655106	28
33	9·5837535	3041	10·4162465	9·6182953	3566	10·3817047	10.0345418	525	9.9654582	27
34	9·5840576	3039	10·4159424	9·6186519	3564	10·3813481	10.0345943	525	9.9654057	26
35	9·5843615	3036	10·4156385	9·6190083	3562	10·3809917	10.0346468	526	9.9653532	25
36	9·5846651	3034	10·4153349	9·6193645	3560	10·3806355	10·0346994	526	9 · 9653006	24
37	9·5849685	3031	10·4150315	9·6197205	3557	10·3802795	10·0347520	527	9 · 9652480	23
38	9·5852716	3029	10·4147284	9·6200762	3556	10·3799238	10·0348047	527	9 · 9651953	22
39	9·5855745	3026	10·4144255	9·6204318	3554	10·3795682	10·0348574	527	9 · 9651426	21
40	9·5858771	3024	10·4141229	9·6207872	3551	10·3792128	10·0349101	528	9 · 9650899	20
41	9·5861795	3021	10·4138205	9·6211423	3550	10·3788577	10·0349629	528	9°9650371	19
42	9·5864816	3019	10·4135184	9·6214973	3547	10·3785027	10·0350157	529	9°9649843	18
43	9·5867835	3016	10·4132165	9·6218520	3546	10·3781480	10·0350686	529	9°9649314	17
44	9·5870851	3014	10·4129149	9·6222066	3543	10·3777934	10·0351215	529	9°9648785	16
45	9·5873865	3011	10·4126135	9·6225609	3541	10·3774391	10·0351744	530	9°9648256	15
46	9·5876876	3009	10·4123124	9·6229150	3540	10·3770850	10·0352274	531	9·9647726	14
47	9·5879885	3007	10·4120115	9·6232690	3537	10·3767310	10·0352805	530	9·9647195	13
48	9·5882892	3004	10·4117108	9·6236227	3536	10·3763773	10·0353335	532	9·964665	12
49	9·5885896	3001	10·4114104	9·6239763	3533	10·3760237	10·0353867	531	9·9646133	11,
50	9·5888897	3000	10·4111103	9·6243296	3531	10·3756704	10·0354398	533	9·9645602	10
51	9·5891897	2996	10·4108108	9·6246827	3529	10·3753173	10·0354931	532	9·9645069	9
52	9·5894893	2995	10·4105107	9·6250356	3528	10·3749644	10·0355463	533	9·9644537	8
53	9·5897888	2992	10·4102112	9·6253884	3525	10·3746116	10·0355996	534	9·9644004	7
54	9·5900880	2989	10·4099120	9·6257409	3523	10·3742591	10·0356530	533	9·9643470	6
55	9·5903869	2987	10·4096131	9·6260932	3522	10·3739068	10·0357063	535	9·9642937	5
56 57 58 59 60	9·5906856 9·5909841 9·5912823 9·5915803 9·5918780	2985 2982 2980 2977	10·4093144 10·4090159 10·4087177 10·4084197 10·4081220	9·6264454 9·6267973 9·6271491 9·6275006 9·6278519	3519 3518 3515 3513	10·3735546 10·3732027 10·3728509 10·3724994 10·3721481	10·0357598 10·0358132 10·0358668 10·0359203 10·0359739	534 536 535 536	9·9642402 9·9641868 9·9641332 9·9640797 9·9640261	3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′

1	,	Sine	Diff.	Cosec.	Tang,	Diff.	Cotang.	Secant	D.	Cosine	1,
			Din.			Din.			ъ.		
	0	9.5918780	2975	10.4081220	9.6278519	3512	10.3721481	10.0359739	537	9.9640261	60
	$\frac{1}{2}$	9.5921755	2973	10:4078245	9.6282031 9.6285540	3509	10:3717969	10.0360276 10.0360813	537	9·9639724 9·9639187	59 58
	3	9·5924728 9·5927698	2970	10.4075272 10.4072302	9.6289048	3508	10.3714460 10.3710952	10.0361350	537	9.9638650	57
-	4	9.5930666	2968	10.4069334	9.6292553	3505	10.3707447	10.0361888	538	9.9638112	56
	5	9.5933631	2965 2963	10.4066369	9.6296057	$3504 \\ 3501$	10.3703943	10.0362426	538 538	9.9637574	55
	6	9.5936594	2961	10.4063406	9.6299558	3500	10.3700442	10.0362964	540	9.9637036	54
	7	9.5939555	2958	10.4060445	9.6303058	3498	10.3696942	10.0363504	539	9.9636496	53
	8	9.5942513	2956	10.4057487	9.6306556	3496	10:3693444	10:0364043	540	9.9635957	52 51
	9 10	9.5945469 9.5948422	2953	10.4054531 10.4051578	9.6310052 9.6313545	3493	10.3689948 10.3686455	10.0364583 10.0365123	540	9·9635417 9·9634877	50
	11	9.5951373	2951	10.4048627	9.6317037	3492	10.3682963	10.0365664	541	9.9634336	49
	12	9.5954322	2949	10 4045678	9.6320527	3490	10 3652565	10.0366205	541	9.9633795	48
	13	9.5957268	2946	10 4042732	9.6324015	3488	10.3675985	10.0366747	542	9.9633253	47
	14	9.5960212	$2944 \\ 2942$	10.4039788	9.6327501	$\frac{3486}{3484}$	10.3672499	10.0367289	542 543	9.9632711	46
	15	9.5963154	2939	10.4036846	9.6330985	3483	10.3669015	10.0367832	543	9.9632168	45
	16	9.5966093	2937	10.4033907	9.6334468	3480	10.3665532	10.0368375	543	9.9631625	44
	17	9.5969030	2935	10.4030970	9 6337948	3478	10.3662052	10.0368918	544	9.9631082	43
	18	9.5971965	2932	10:4028035	9.6341426	3477	10.3658574	10.0369462	544	9.9630538	42
	$\frac{19}{20}$	9·5974897 9·5977827	2930	10.4025103 10.4022173	9·6344903 9·6348378	3475	10·3655097 10·3651622	10.0370006 10.0370551	545	9·9629994 9·9629449	41
	21		2927			3472			545	9.9628904	39
	22	9.5980754	2925	10·4019246 10·4016321	9.6351850 9.6355321	3471	10.3648150 10.3644679	10.0371096 10.0371642	546	9 9628358	38
	23	9.5986602	2923	10.4013398	9.6358790	3469	10.3641210	10.0372188	546	9.9627812	37
	24	9.5989523	$\frac{2921}{2918}$	10.4010477	9.6362257	$\frac{3467}{3465}$	10.3637743	10.0372734	546	9.9627266	36
	25	9.5992441	2916	10.4007559	9.6365722	3463	10.3634278	10.0373281	547 547	9.9626719	35
	26	9.5995357	2913	10.4004643	9.6369185	3461	10.3630815	10.0373828	548	9.9626172	34
	27	9.5998270	2911	10.4001730	9.6372646	3460	10.3627354	10.0374376	548	9.9625624	33
	28	9.6001181	2909	10.3998819	9.6376106	3457	10.3623894	10.0374924	549	9.9625076	32
	29 30	9.6004090	2907	10.3995910 10.3993003	9·6379563 9·6383019	3456	10.3620437 10.3616981	10.0375473 10.0376022	549	9·9624527 9·9623978	31 30
			2904			3454			550	9.9623428	
	31 32	9.6009901	2902	10 3990099 10 3987197	9·6386473 9·6389925	3452	10 3613527 10 3610075	10.0376572 10.0377122	550	9.9622878	29 28
	33	9.6015703	2900	10 3984297	9.6393375	3450	10.3606625	10.0377672	550	9.9622328	27
	34	9.6013600	$\frac{2897}{2895}$	10.3981400	9.6396823	3448 3446	10.3603177	10.0378223	551 551	9.9621777	26
	35	9.6021495	2893	10.3978505	9.6400269	3445	10.3599731	10.0378774	552	9.9621226	25
	36	9.6024388	2890	10 3975612	9.6403714	3442	10.3596286	10.0379326	552	9.9620674	24
	37	9.6027278	2888	10.3972722	9.6407153	3441	10 3592844	10.0379878	553	9.9620122	23
	38 39	9.6030166 9.6033052	2886	10·3969834 10·3966948	9.6410597 9.6414036	3439	10.3589403 10.3585964	10.0380431 10.0380984	553	9.9619569 9.9619016	22 21
	40	9.6035936	2884	10 3964064	9.6417473	3437	10.3582527	10.0381537	553	9.9618463	20
	41	9.6038817	2881	10.3961183	9.6420908	3435	10.3579092	10.0382091	554	9.9617909	19
	42	9.6041696	2879	10.3958304	9.6424342	3434	10.3575658	10.0382645	554	9.9617355	18
	43	9.6044573	$\frac{2877}{2875}$	10.3955427	9.6427773	3431 3430	10.3572227	10.0383200	555	9.9616800	17
	44	9.6047448	2872	10.3952552	9.6431203	3428	10.3568797	10 0383755	555 556	9.9616245	16
	45	9.6050320	2870	10.3949680	9.6434631	3426	10.3565369	10.0384311	556	9.9615689	15
	46	9.6053190	2867	10.3946810	9.6438057	3424	10.3561943	10.0384867	557	9.9615133	14
	47	9.6056057	2866	10.3943943	9.6441481	3422	10.3558519 10.3555097	10.0385424	556	9.9614576	13
	48 49	9.6058923 9.6061786	2863	10 3941077 10 3938214	9·6444903 9·6448324	3421	10.3555097	10.0385980 10.0386538	558	9.9614020 9.9613462	12
	50	9.6064647	2861	10.3935353	9.6451743	3419	10.3548257	10.0387096	558 558	9.9612904	10
	51	9.6067506	2859	10.3932494	9.6455160	3417	10.3544840	10.0387654		9.9612346	9
	52	9.6070362	2856	10.3929638	9.6458575	$\frac{3415}{3413}$	10.3541425	10.0388213	559 559	9.9611787	8
	53	9.6073216	$\frac{2854}{2852}$	10.3926784	9.6461988	3413	10.3538012	10.0388772	560	9.9611228	7
	54	9.6076068	2850	10:3923932	9.6465400	3410	10.3534600	10.0389332	560	9.9610668	6
	55	9.6078918	2847	10.3921082	9.6468810	3407	10.3531190	10.0389892	560	9.9610108	5
	56	9.6081765	2846	10:3918235	9.6472217	3407	10.3527783	10.0390452	561	9.9609548	3
	57 58	9.6084611 9.6087454	2843	10·3915389 10·3912546	9.6475624 9.6479028	3404	10·3524376 10·3520972	10.0391013 10.0391574	561	9·9608987 9·9608426	2
	59	9.6090294	2840	10.3909706	9.6482431	3403	10.3517569	10.0392136	562	9.9607864	1
	60	9.6093133	2839	10.3906867	9.6485831	3400	10.3514169	10.0392698	562	9.9607302	0
	,		70.100		Q. 1	Dim	m		T)	CI.	,
	1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

	24 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·6093133 9·6095969 9·6098803 9·6101635 9·6104465 9·6107293	2836 2834 2832 2830 2828 2825	10·3906867 10·3904031 10·3901197 10·3898365 10·3895535 10·3892707	9·6485831 9·6489230 9·6492628 9·6496023 9·6499417 9·6502809	3399 3398 3395 3394 3392 3390	10·3514169 10·3510770 10·3507372 10·3503977 10·3500583 10·3497191	$\begin{array}{c} \textbf{10.0392698} \\ \textbf{10.0393261} \\ \textbf{10.0393824} \\ \textbf{10.0394388} \\ \textbf{10.0394952} \\ \textbf{10.0395516} \end{array}$	563 564 564 564 565	9·9607302 9·9606739 9·9606176 9·9605612 9·9605048 9·9604484	60 59 58 57 56 55
6	9·6110118	2823	10·3889882	9·6506199	3388	10°3493801	10·0396081	565	9·9603919	54
7	9·6112941	2821	10·3887059	9·6509587	3387	10°3490413	10·0396646	566	9·9603354	53
8	9·6115762	2818	10·3884238	9·6512974	3385	10°3487026	10·0397212	566	9·9602788	52
9	9·6118580	2817	10·3881420	9·6516359	3383	10°3483641	10·0397778	567	9·9602222	51
10	9·6121397	2814	10·3878603	9·6519742	3381	10°3480258	10·0398345	567	9·9601655	50
11 12 13 14 15	9.6124211 9.6127023 9.6129833 9.6132641 9.6135446	2812 2810 2808 2805 2804	10·3875789 10·3872977 10·3870167 10·3867359 10·3864554	9·6523123 9·6526503 9·6529881 9·6533257 9·6536631	3380 3378 3376 3374 3373	10°3476877 10°3473497 10°3470119 10°3466743 10°3463369	10·0398912 10·0399480 10·0400048 10·0400616 10·0401185	568 568 568 569	9·9601088 9·9600520 9·9599952 9·9599384 9·9598815	49 48 47 46 45
16	9.6138250	2801	10·3861750	9·6540004	3371	10°3459996	10·0401754	570	9·9598246	44
17	9.6141051	2799	10·3858949	9·6543375	3369	10°3456625	10·0402324	570	9·9597676	43
18	9.6143850	2797	10·3856150	9·6546744	3368	10°3453256	10·0402894	571	9·9597106	42
19	9.6146647	2794	10·3853353	9·6550112	3365	10°3449888	10·0403465	571	9·9596535	41
20	9.6149441	2793	10·3850559	9·6553477	3364	10°3446523	10·0404036	571	9·9595964	40
21	9·6152234	2790	10·3847766	9·6556841	3363	10;3443159	10.0404607	572	9·9595393	39
22	9·6155024	2788	10·3844976	9·6560204	3360	10;3439796	10.0405179	573	9·9594821	38
23	9·6157812	2787	10·3842188	9·6563564	3359	10;3436436	10.0405752	573	9·9594248	37
24	9·6160599	2783	10·3839401	9·6566923	3357	10;3433077	10.0406325	573	9·9593675	36
25	9·6163382	2782	10·3836618	9·6570280	3356	10;3429720	10.0406898	574	9·9593102	35
26	9.6166164	2780	10·3833836	9.6573636	3353	10°3426364	10·0407472	574	9 •9592528	34
27	9.6168944	2777	10·3831056	9.6576989	3352	10°3423011	10·0408046	574	9 •9591954	33
28	9.6171721	2775	10·3828279	9.6580341	3351	10°3419659	10·0408620	575	9 •9591380	32
29	9.6174496	2774	10·3825504	9.6583692	3349	10°3416308	10·0409195	576	9 •9590805	31
30	9.6177270	2771	10·3822730	9.6587041	3346	10°3412959	10·0409771	576	9 •9590229	30
31	9.6180041	2768	10·3819959	9·6590387	3346	10·3409613	10·0410347	576	9·9589653	29
32	9.6182809	2767	10·3817191	9·6593733	3343	10·3406267	10·0410923	577	9·9589077	28
33	9.6185576	2765	10·3814424	9·6597076	3342	10·3402924	10·0411500	577	9·9588500	27
34	9.6188341	2762	10·3811659	9·6600418	3340	10·3399582	10·0412077	578	9·9587923	26
35	9.6191103	2761	10·3808897	9·6603758	3339	10·3396242	10·0412655	578	9·9587345	25
36	9·6193864	2758	10·3806136	9.6607097	3337	10°3392903	10·0413233	579	9·9586767	24
37	9·6196622	2756	10·3803378	9.6610434	3335	10°3389566	10·0413812	579	9·9586188	23
38	9·6199378	2754	10·3800622	9.6613769	3334	10°3386231	10·0414391	579	9·9585609	22
39	9·6202132	2752	10·3797868	9.6617103	3331	10°3382897	10·0414970	580	9·9585030	21
40	9·6204884	2750	10·3795116	9.6620434	3331	10°3379566	10·0415550	581	9·9584450	20
41	9.6207634	2748	10·3792366	9·6623765	3328	10°3376235	10·0416131	581	9·9583869	19
42	9.6210382	2745	10·3789618	9·6627093	3327	10°3372907	10·0416712	581	9·9583288	18
43	9.6213127	2744	10·3786873	9·6630420	3325	10°3369580	10·0417293	582	9·9582707	17
44	9.6215871	2741	10·3784129	9·6633745	3324	10°3366255	10·0417875	582	9·9582125	16
45	9.6218612	2739	10·3781388	9·6637069	3322	10°3362931	10·0418457	582	9·9581543	15
46	9.6221351	2737	10·3778649	9·6640391	3320	10·3359609	10·0419039	583	9·9580961	14
47	9.6224088	2736	10·3775912	9·6643711	3319	10·3356289	10·0419622	584	9·9580378	13
48	9.6226824	2733	10·3773176	9·6647030	3316	10·3352970	10·0420206	584	9·9579794	12
49	9.6229557	2730	10·3770443	9·6650346	3316	10·3349654	10·0420790	584	9·9579210	11
50	9.6232287	2729	10·3767713	9·6653662	3313	10·3346338	10·0421374	585	9·9578626	10
51	9·6235016	2727	10·3764984	9·6656975	3313	10·3343025	10·0421959	585	9·9578041	9
52	9·6237743	2725	10·3762257	9·6660288	3310	10·3339712	10·0422544	586	9·9577456	8
53	9·6240468	2722	10·3759532	9·6663598	3309	10·3336402	10·0423130	586	9·9576870	7
54	9·6243190	2721	10·3756810	9·6666907	3307	10·3333093	10·0423716	587	9·9576284	6
55	9·6245911	2718	10·3754089	9·6670214	3305	10·3329786	10·0424303	587	9·9575697	5
56 57 58 59 60	9·6248629 9·6251346 9·6254060 9·6256772 9·6259483	2717 2714 2712 2711	10·3751371 10·3748654 10·3745940 10·3743228 10·3740517	9·6673519 9·6676823 9·6680126 9·6683426 9·6686725	3304 3303 3300 3299	10:3326481 10:3323177 10:3319874 10:3316574 10:3313275	10·0424890 10·0425478 10·0426066 10·0426654 10·0427243	588 588 588 589	9·9575110 9·9574522 9·9573934 9·9573346 9·9572757	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′
	1									1

	20 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·6259483 9·6262191 9·6264897 9·6267601 9·6270303 9·6273003	2708 2706 2704 2702 2700 2698	10·3740517 10·3737809 10·3735103 10·3732399 10·3729697 10·3726997	9·6686725 9·6690023 9·6693319 9·6696613 9·6699906 9·6703197	3298 3296 3294 3293 3291 3289	10:3313275 10:3309977 10:3306681 10:3303387 10:3300094 10:3296803	10.0427243 10.0427832 10.0428422 10.0429012 10.0429603 10.0430194	589 590 590 591 591 591	9·9572757 9·9572168 9·9571578 9·9570988 9·9570397 9·9569806	60 59 58 57 56 55
6 7 8 9 10	9.6275701 9.6278397 9.6281090 9.6283782 9.6286472	2696 2693 2692 2690 2688	10·3724299 10·3721603 10·3718910 10·3716218 10·3713528	9·6706486 9·6709774 9·6713060 9·6716345 9·6719628	3288 3286 3285 3283 3282	10·3293514 10·3290226 10·3286940 10·3283655 10·3280372	10.0430785 10.0431377 10.0431970 10.0432563 10.0433156	592 593 593 593 594	9·9569215 9·9568623 9·9568030 9·9567437 9·9566844	54 53 52 51 50
11 12 13 14 15	9.6289160 9.6291845 9.6294529 9.6297211 9.6299890	2685 2684 2682 2679 2678	10·3710840 10·3708155 10·3705471 10·3702789 10·3700110	9·6722910 9·6726190 9·6729468 9·6732745 9·6736020	3280 3278 3277 3275 3274	10·3277090 10·3273810 10·3270532 10·3267255 10·3263980	10.0433750 10.0434344 10.0434939 10.0435534 10.0436130	594 595 595 596 596	9·9566250 9·9565656 9·9565061 9·9564466 9·9563870	49 48 47 46 45
16 17 18 19 20	9.6302568 9.6305243 9.6307917 9.6310589 9.6313258	2675 2674 2672 2669 2668	10°3697432 10°3694757 10°3692083 10°3689411 10°3686742	9·6739294 9·6742566 9·6745836 9·6749105 9·6752372	3272 3270 3269 3267 3266	10·3260706 10·3257434 10·3254164 10·3250895 10·3247628	10·0436726 10·0437322 10·0437919 10·0438517 10·0439114	596 597 598 597 599	9·9563274 9·9562678 9·9562081 9·9561483 9·9560886	44 43 42 41 40
21 22 23 24 25	9.6315926 9.6318591 9.6321255 9.6323916 9.6326576	2665 2664 2661 2660 2657	10·3684074 10·3681409 10·3678745 10·3676084 10·3673424	9·6755638 9·6758903 9·6762165 9·6765426 9·6768686	3265 3262 3261 3260 3258	10°3244362 10°3241097 10°3237835 10°3234574 10°3231314	10.0439713 10.0440311 10.0440911 10.0441510 10.0442110	598 600 599 600 601	9·9560287 9·9559689 9·9559089 9·9558490 9·9557890	39 38 37 36 35
26 27 28 29 30	9.6329233 9.6331889 9.6334542 9.6337194 9.6339844	2656 2653 2652 2650 2647	10°3670767 10°3668111 10°3665458 10°3662806 10°3660156	9·6771944 9·6775201 9·6778456 9·6781709 9·6784961	3257 3255 3253 3252 3250	10°3228056 10°3224799 10°3221544 10°3218291 10°3215039	10.0442711 10.0443312 10.0443913 10.0444515 10.0445118	601 602 603 602	9·9557289 9·9556688 9·9556087 9·9555485 9·9554882	34 33 32 31 30
31 32 33 34 35	9.6342491 9.6345137 9.6347780 9.6350422 9.6353062	2646 2643 2642 2640 2637	10°3657509 10°3654863 10°3652220 10°3649578 10°3646938	9.6788211 9.6791460 9.6794708 9.6797953 9.6801198	3249 3248 3245 3245 3242	10·3211789 10·3208540 10·3205292 10·3202047 10·3198802	10.0445720 10.0446324 10.0446927 10.0447531 10.0448136	604 603 604 605 605	9·9554280 9·9553676 9·9553073 9·9552469 9·9551864	29 28 27 26 25
36 37 38 39 40	9.6355699 9.6358335 9.6360969 9.6363601 9.6366231	2636 2634 2632 2630 2628	10·3644301 10·3641665 10·3639031 10·3636399 10·3633769	9.6804440 9.6807682 9.6810921 9.6814160 9.6817396	3242 3239 3239 3236 3236	10°3195560 10°3192318 10°3189079 10°3185840 10°3182604	10.0448741 10.0449347 10.0449953 10.0450559 10.0451166	606 606 607 607	9·9551259 9·9550653 9·9550047 9·9549441 9·9548834	24 23 22 21 20
41 42 43 44 45	9.6368859 9.6371484 9.6374108 9.6376731 9.6379351	2625 2624 2623 2620 2618	10·3631141 10·3628516 10·3625892 10·3623269 10·3620649	9.6820632 9.6823865 9.6827098 9.6830328 9.6833557	3233 3233 3230 3229 3228	10·3179368 10·3176135 10·3172902 10·3169672 10·3166443	10.0451773 10.0452381 10.0452989 10.0453598 10.0454207	608 608 609 609	9·9548227 9·9547619 9·9547011 9·9546402 9·9545793	19 18 17 16 15
46 47 48 49 50	9.6381969 9.6384585 9.6387199 9.6389812 9.6392422	2616 2614 2613 2610 2608	10·3618031 10·3615415 10·3612801 10·3610188 10·3607578	9.6836785 9.6840011 9.6843236 9.6846459 9.6849681	3226 3225 3223 3222 3220	10·3163215 10·3159989 10·3156764 10·3153541 10·3150319	10.0454816 10.0455426 10.0456037 10.0456648 10.0457259	610 611 611 611 612	9·9545184 9·9544574 9·9543963 9·9543352 9·9542741	14 13 12 11 10
51 52 53 54 55	9.6395030 9.6397637 9.6400241 9.6402844 9.6405445	2607 2604 2603 2601 2599	10°3604970 10°3602363 10°3599759 10°3597156 10°3594555	9.6852901 9.6856120 9.6859338 9.6862553 9.6865768	3219 3218 3215 3215 3213	10·3147099 10·3143880 10·3140662 10·3137447 10·3134232	10.0457871 10.0458483 10.0459096 10.0459709 10.0460323	612 613 613 614 614	9·9542129 9·9541517 9·9540904 9·9540291 9·9539677	98765
56 57 58 59 60	9.6408044 9.6410640 9.6413235 9.6415828 9.6418420	2596 2595 2593 2592	10·3591956 10·3589360 10·3586765 10·3584172 10·3581580	9.6868981 9.6872192 9.6875402 9.6878611 9.6881818	3211 3210 3209 3207	10·3131019 10·3127808 10·3124598 10·3121389 10·3118182	10.0460937 10.0461552 10.0462167 10.0462782 10.0463398	615 615 615 616	9·9539063 9·9538448 9·9537833 9·9537218 9·9536602	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

	26 Deg.									,
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.6418420	2589	10·3581580	9.6881818	3205	10·3118182	10.0463398	617	9·9536602	60
1	9.6421009	2587	10·3578991	9.6885023	3204	10·3114977	10.0464015	616	9·9535985	59
2	9.6423 5 96	2586	10·3576404	9.6888227	3203	10·3111773	10.0464631	618	9·9535369	58
3	9.6 426182	2583	10·3573818	9.6891430	3201	10·3108570	10.0465249	617	9·9534751	57
4	9.6428765	2582	10·3571235	9.6894631	3200	10·3105369	10.0465866	619	9·9534134	56
5	9.6431347	2579	10·3568653	9.6897831	3199	10·3102169	10.0466485	618	9·9533515	55
6	9.6433926	2578	10·3566074	9·6901030	3196	10·3098970	10.0467103	619	9·9532897	54
7	9.6436504	2576	10·3563496	9·6904226	3196	10·3095774	10.0467722	620	9·9532278	53
8	9.6439080	2574	10·3560920	9·6907422	3194	10·3092578	10.0468342	620	9·9531658	52
9	9.6441654	2572	10·3558346	9·6910616	3193	10·3089384	10.0468962	620	9·9531038	51
10	9.6444226	2570	10·3555774	9·6913809	3191	10·3086191	10.0469582	621	9·9530418	50
11	9.6446796	2569	10·3553204	9·6917000	3189	10·3083000	10·0470203	622	9.9529797	49
12	9.6449365	2566	10·3550635	9·6920189	3189	10·3079811	10·0470825	622	9.9529175	48
13	9.6451931	2565	10·3548069	9·6923378	3187	10·3076622	10·0471447	622	9.9528553	47
14	9.6454496	2562	10·3545504	9·6926565	3185	10·3073435	10·0472069	623	9.9527931	46
15	9.6457058	2561	10·3542942	9·6929750	3184	10·3070250	10·0472692	623	9.9527308	45
16	9.6459619	2559	10°3540381	9·6932934	3183	10·3067066	10.0473315	624	9.9526685	44
17	9.6462178	2557	10°3537822	9·6936117	3181	10·3063883	10.0473939	624	9.9526061	43
18	9.6464735	2555	10°3535265	9·6939298	3180	10·3060702	10.0474563	624	9.9525437	42
19	9.6467290	2554	10°3532710	9·6942478	3178	10·3057522	10.0475187	625	9.9524813	41
20	9.6469844	2551	10°3530156	9·6945656	3177	10·3054344	10.0475812	626	9.9524188	40
21	9.6472395	2550	10°3527605	9·6948833	3176	10·3051167	10·0476438	626	9·9523562	39
22	9.6474945	2547	10°3525055	9·6952009	3174	10·3047991	10·0477064	626	9·9522936	38
23	9.6477492	2546	10°3522508	9·6955183	3172	10·3044817	10·0477690	627	9·9522310	37
24	9.6480038	2544	10°3519962	9·6958355	3172	10·3041645	10·0478317	628	9·9521683	36
25	9.6482582	2542	10°3517418	9·6961527	3170	10·3038473	10·0478945	627	9·9521055	35
26	9.6485124	2541	10·3514876	9·6964697	3168	10°3035303	10 0479572	629	9:9520428	34
27	9.6487665	2538	10·3512335	9·6967865	3167	10°3032135	10 0480201	628	9:9519799	33
28	9.6490203	2537	10·3509797	9·6971032	3166	10°3028968	10 0480829	630	9:9519171	32
29	9.6492740	2534	10·3507260	9·6974198	3165	10°3025802	10 0481459	629	9:9518541	31
30	9.6495274	2533	10·3504726	9·6977363	3163	10°3022637	10 0482088	630	9:9517912	30
31 32 33 34 35	9.6497807 9.6500338 9.6502868 9.6505395 9.6507920	2531 2530 2527 2525 2524	10°3502193 10°3499662 10°3497132 10°3494605 10°3492080	9·6980526 9·6983687 9·6986847 9·6990006 9·6993164	3161 3160 3159 3158 3156	10°3019474 10°3016313 10°3013153 10°3009994 10°3006836	10.0482718 10.0483349 10.0483980 10.0484611 10.0485243	631 631 632 633	9·9517282 9·9516651 9·9516020 9·9515389 9·9514757	29 28 27 26 25
36	9·6510444	2522	10·3489556	9·6996320	3154	10°3003680	10.0485876	632	9·9514124	24
37	9·6512966	2520	10·3487034	9·6999474	3154	10°3000526	10.0486508	634	9·9513492	23
38	9·6515486	2518	10·3484514	9·7002628	3152	10°2997372	10.0487142	634	9·9512858	22
39	9·6518004	2517	10·3481996	9·7005780	3150	10°2994220	10.0487776	634	9·9512224	21
40	9·6520521	2514	10·3479479	9·7008930	3150	10°2991070	10.0488410	634	9·9511590	20
41	9.6523035	2513	10°3476965	9·7012080	3147	10·2987920	10.0489044	636	9.9510956	19
42	9.6525548	2511	10°3474452	9·7015227	3147	10·2984773	10.0489680	635	9.9510320	18
43	9.6528059	2509	10°3471941	9·7018374	3145	10·2981626	10.0490315	636	9.9509685	17
44	9.6530568	2507	10°3469432	9·7021519	3144	10·2978481	10.0490951	637	9.9509049	16
45	9.6533075	2506	10°3466925	9·7024663	3142	10·2975337	10.0491588	637	9.9508412	15
46 47 48 49 50	9.6535581 9.6538084 9.6540586 9.6543086 9.6545584	2503 2502	10·3464419 10·3461916 10·3459414 10·3456914 10·3454416	9·7027805 9·7030946 9·7034086 9·7037225 9·7040362	3141 3140 3139 3137 3135	10·2972195 10·2969054 10·2965914 10·2962775 10·2959638	10·0492225 10·0492862 10·0493500 10·0494139 10·0494777	637 638 639 638 640	9·9507775 9·9507138 9·9506500 9·9505861 9·9505223	14 13 12 11 10
51 52 53 54 55	9.6548081 9.6550575 9.6553068 9.6555559 9.6558048	2494 2493 2491	10·3451919 10·3449425 10·3446932 10·3444441 10·3441952	9·7043497 9·7046632 9·7049765 9·7052897 9·7056027	3135 3133 3132 3130 3129	10·2956503 10·2953368 10·2950235 10·2947103 10·2943973	10·0495417 10·0496056 10·0496697 10·0497337 10·0497978	639 641 640 641 642	9·9504583 9·9503944 9·9503303 9·9502663 9·9502022	9 8 7 6 5
56 57 58 59 30	9.6560536 9.6563021 9.6565505 9.6567987 9.6570468	2485 2484 2482	10·3439464 10·3436979 10·3434495 10·3432013 10·3429532	9.7059156 9.7062284 9.7065410 9.7068535 9.7071659	3128 3126 3125 3124	10·2940844 10·2937716 10·2934590 10·2931465 10·2928341	10·0498620 10·0499262 10·0499905 10·0500548 10·0501191	642 643 643 643	9:9501380 9:9500738 9:9500095 9:9499452 9:9498809	4 3 2 1 0
ľ	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
	1									1 /

	27 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0.0570400		10.9490599	0.7071650		10:0000041	10.0501101		9.9498809	60
0	9·6570468 9·6572946	2478	10·3429532 10·3427054	9·7071659 9·7074781	3122	10·2928341 10·2925219	10.0501191 10.0501835	644	9.9498165	59
2	9.6575423	2477	10.3424577	9.7077902	3121	10.2922098	10.0502479	644	9.9497521	58
3	9.6577898	2475	10.3422102	9.7081022	3120	10.2918978	10.0503124	645	9.9496876	.57
4	9.6580371	2473	10.3419629	9.7084141	3119	10.2915859	10.0503770	646	9.9496230	5ι
5	9.6582842	$\frac{2471}{2470}$	10.3417158	9.7087258	$3117 \\ 3116$	10.2912742	10.0504415	$645 \\ 647$	9.9495585	50
6	9.6585312	2468	10:3414688	9.7090374	3114	10.2909626	10.0505062	646	9.9494938	54
8	9.6587780 9.6590246	2466	10.3412220 10.3409754	9·7093488 9·7096601	3113	10.2906512 10.2903399	10.0505708 10.0506355	647	9 9494292 9 9493645	52 52
9	9.6592710	2464	10.3407290	9.7099713	3112	10 2900287	10.0507003	648	9.9492997	51
10	9.6595173	$\frac{2463}{2460}$	10.3404827	9.7102824	3111 3109	10.2897176	10.0507651	$648 \\ 649$	9.9492349	50
11	9.6597633	2460	10.3402367	9.7105933	3108	10.2894067	10.0508300	649	9.9491700	49
12	9.6600093	2457	10.3399907	9.7109041	3107	10.2890959	10.0508949	649	9.9491051	48
13	9.6602550	2455	10.3397450	9.7112148	3106	10.2887852	10.0509598	650	9.9490402	47
14	9.6605005	2454	10·3394995 10·3392541	9.7115254	3104	10.2884746	10:0510248	651	9.9489752	46
15	9.6607459	2452		9.7118358	3103	10.2881642	10.0510899	651	9.9489101	45
16	9.6609911	2450	10.3390089 10.3387639	9·7121461 9·7124562	3101	10·2878539 10·2875438	10.0511550 10.0512201	651	9·9488450 9·9487799	44
17 18	9.6612361 9.6614810	2449	10.3385190	9.7124562	3100	10.2872338	10.0512201	652	9.9487147	43
19	9.6617257	2447	10.3382743	9.7130761	3099	10 2869239	10.0512555	652	9.9486495	41
20	9 6619702	$\frac{2445}{2443}$	10.3380298	9.7133859	3098 3097	10.2866141	10.0514158	653 653	9.9485842	40
21	9.6622145	2443	10.3377855	9.7136956	3095	10.2863044	10.0514811	654	9.9485189	39
22	9.6624586	2441	10.3375414	9.7140051	3094	10.2859949	10.0515465	654	9.9484535	38
23	9 6627026	2438	10.3372974	9.7143145	3092	10.2856855	10.0516119	654	9.9483881	37
24 25	9.6629464	2436	10.3370536	9.7146237	3092	10.2853763	10.0516773	655	9.9483227	36
	9.6631900	2435	10.3368100	9.7149329	3090	10.2850671	10.0517428	656	9.9482572	35
26 27	9.6634335	2433	10.3365665	9.7152419	3089	10.2847581	10.0518084	656	9.9481916	34
28	9.6636768 9.6639199	2431	10.3363232 10.3360801	9·7155508 9·7158595	3087	10·2844492 10·2841405	10.0518740 10.0519396	656	9 9481260 9 9480604	32
29	9.6641628	2429	10.3358372	9.7161682	3087	10.2838318	10.0520053	657	9 9479947	31
30	9.6644056	2428 242 6	10.3355944	9.7164767	3085 3084	10.2835233	10.0520711	658 658	9 9479289	30
31	9.6646482	2424	10.3353518	9.7167851	3082	10.2832149	10.0521369		9 9478631	29
32	9.6648906	2423	10.3351094	9.7170933	3081	10.2829067	10.0522027	658 659	9.9477973	28
33	9.6651329	2420	10.3348671	9.7174014	3080	10.2825986	10.0522686	659	9.9477314	27
34 35	9.6653749 9.6656168	2419	10.3346251 10.3343832	9.7177094 9.7180173	3079	10.2822906 10.2819827	10.0523345 10.0524005	660	9.9476655	26
	1	2418			3078			660	9.9475995	25
36	9.6658586	2415	10.3341414	9.7183251	3076	10.2816749	10.0524665	661	9.9475335	24
37 38	9.6661001 9.6663415	2414	10·3338999 10·3336585	9·7186327 9·7189402	3075	10·2813673 10·2810598	10.0525326 10.0525987	661	9·9474674 9·9474013	23
39	9.6665828	2413	10.3334172	9.7192476	3074	10 2807524	10.0526648	661	9.9473352	21
40	9.6668238	$\frac{2410}{2409}$	10.3331762	9.7195549	$\frac{3073}{3071}$	10.2804451	10.0527311	$663 \\ 662$	9.9472689	20
41	9.6670647	2407	10.3329353	9.7198620	3070	10.2801380	10.0527973	663	9.9472027	19
42	9.6673054	2407	10.3326946	9.7201690	3069	10.2798310	10.0528636	664	9.9471364	18
43	9.6675459	2404	10.3324541	9.7204759	3068	10.2795241	10.0529300	664	9.9470700	17
44	9.6677863	2402	10.3322137	9.7207827	3066	10.2792173	10.0529964	664	9.9470036	16
45	9.6680265	2400	10.3319735	9.7210893	3065	10.2789107	10.0530628	665	9.9469372	15
46	9.6682665	2399	10.3317335	9.7213958	3064	10.2786042	10.0531293	665	9.9468707	14
47 48	9.6685064	2397	10.3314936	9.7217022	3063	10·2782978 10·2779915	10.0531958	666	9.9468042	13
49	9.6687461 9.6689856	2395	10·3312539 10·3310144	9.7220085 9.7223147	3062	10.2776853	10.0532624 10.0533290	666	9.9467376 9.9466710	12 11
50	9.6692250	$\frac{2394}{2392}$	10.3307750	9.7226207	3060 3059	10.2773793	10.0533957	667	9.9466043	10
51	9.6694642		10.3305358	9.7229266		10.2770734	10.0534624	667	9.9465376	9
52	9.6697032	2390 2388	10.3302968	9.7232324	$\frac{3058}{3057}$	10.2767676	10.0535292	668 668	9.9464708	8
53	9.6699420	2387	10.3300580	9.7235381	3055	10.2764619	10.0535960	669	9.9464040	7
54 55	9.6701807 9.6704192	2385	10·3298193 10·3295808	9·7238436 9·7241490	3054	10·2761564 10·2758510	10.0536629	669	9.9463371	6
		2384			3053		10.0537298	670	9.9462702	0
56 57	9·6706576 9·6708958	2382	10·3293424 10·3291042	9·7244543 9·7247595	3052	10·2755457 10·2752405	10.0537968 10.0538638	670	9.9462032	3
58	9.6711338	2380	10.3291042	9.7250646	3051	10.2752405	10.0538638	670	9*9461362 9*9460692	2
59	9.6713716	2378	10.3286284	9.7253695	3049	10.2746305	10.0539979	671	9.9460021	1
60	9.6716093	2377	10.3283907	9.7256744	3049	10.2743256	10.0540651	672	9.9459349	0
٠,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

	28 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
30 GL 23 32 35 35 35 35 35 35 35 35 35 35 35 35 35	9·6716093 9·6718468 9·6720841 9·6723213 9·6725583 9·6727952	2375 2373 2372 2370 2369 2367	10·3283907 10·3281532 10·3279159 10·3276787 10·3274417 10·3272048	9.7256744 9.7259791 9.7262837 9.7265881 9.7268925 9.7271967	3047 3046 3044 3044 3042 3041	10·2743256 10·2740209 10·2737163 10·2734119 10·2731075 10·2728033	$\begin{array}{c} 10.0540651 \\ 10.0541323 \\ 10.0541995 \\ 10.0542668 \\ 10.0543341 \\ 10.0544015 \end{array}$	672 672 673 673 674 675	9·9459349 9·9458677 9·9458005 9·9457332 9·9456659 9·9455985	59 58 57 56 55
6	9.6730319	2365	10·3269681	9·7275008	3040	10·2724992	10.0544690	674	9·9455310	54
.7	9.6732684	2363	10·3267316	9·7278048	3039	10·2721952	10.0545364	676	9·9454636	53
.8	9.6735047	2362	10·3264953	9·7281087	3037	10·2718913	10.0546040	675	9·9453960	52
.9	9.6737409	2360	10·3262591	9·7284124	3037	10·2715876	10.0546715	676	9·9453285	51
10	9.6739769	2359	10·3260231	9·7287161	3035	10·2712839	10.0547391	677	9·9452609	50
11	9·6742128	2357	10·3257872	9·7290196	3034	10·2709804	10.0548068	677	9·9451932	49
12	9·6744485	2355	10·3255515	9·7293230	3033	10·2706770	10.0548745	678	9·9451255	48
13	9·6746840	2354	10·3253160	9·7296263	3032	10·2703737	10.0549423	678	9·9450577	47
14	9·6749194	2352	10·3250806	9·7299295	3030	10·2700705	10.0550101	679	9·9449899	46
15	9·6751546	2350	10·3248454	9·7302325	3029	10·2697675	10.0550780	679	9·9449220	45
16	9·6753896	2349	10·3246104	9·7305354	3029	10·2694646	10.0551459	679	9·9448541	44
17	9·6756245	2347	10·3243755	9·7308383	3027	10·2691617	10.0552138	680	9·9447862	43
18	9·6758592	2345	10·3241408	9·7311410	3026	10·2688590	10.0552818	681	9·9447182	42
19	9·6760937	2344	10·3239063	9·7314436	3024	10·2685564	10.0553499	680	9·9446501	41
20	9·6763281	2342	10·3236719	9·7317460	3024	10·2682540	10.0554179	682	9·9445821	40
21 22 23 24 25	9.6765623 9.6767963 9.6770302 9.6772640 9.6774975	2340 2339 2338 2335 2334	10·3234377 10·3232037 10·3229698 10·3227360 10·3225025	9·7320484 9·7323506 9·7326527 9·7329547 9·7332566	3022 3021 3020 3019 3018	10·2679516 10·2676494 10·2673473 10·2670453 10·2667434	10.0554861 10.0555543 10.0556225 10.0556908 10.0557591	682 683 683 684	9·9445139 9·9444457 9·9443775 9·9443092 9·9442409	39 38 37 36 35
26	9.6777309	2333	10·3222691	9·7335584	3017	10·2664416	10.0558275	684	9·9441725	34
27	9.6779642	2330	10·3220358	9·7338601	3015	10·2661399	10.0558959	685	9·9441041	33
28	9.6781972	2329	10·3218028	9·7341616	3015	10·2658384	10.0559644	685	9·9440356	32
29	9.6784301	2328	10·3215699	9·7344631	3013	10·2655369	10.0560329	686	9·9439671	31
30	9.6786629	2326	10·3213371	9·7347644	3012	10·2652356	10.0561015	686	9·9438985	30
31 32 33 34 35	9.6788955 9.6791279 9.6793602 9.6795923 9.6798243	2324 2323 2321 2320 2317	10·3211045 10·3208721 10·3206398 10·3204077 10·3201757	9·7350656 9·7353667 9·7356677 9·7359685 9·7362693	3011 3010 3008 3008 3006	10·2649344 10·2646333 10·2643323 10·2640315 10·2637307	10.0561701 10.0562388 10.0563075 10.0563762 10.0564451	687 687 689 688	9·9438299 9·9437612 9·9436925 9·9436238 9·9435549	29 28 27 26 25
36	9.6800560	2317	10·3199440	9·7365699	3006	10·2634301	10.0565139	689	9°9434861	24
37	9.6802877	2314	10·3197123	9·7368705	3004	10·2631295	10.0565828	690	9°9434172	23
38	9.6805191	2313	10·3194809	9·7371709	3003	10·2628291	10.0566518	690	9°9433482	22
39	9.6807504	2312	10·3192496	9·7374712	3002	10·2625288	10.0567208	690	9°9432792	21
40	9.6809816	2310	10·3190184	9·7377714	3001	10·2622286	10.0567898	691	9°9432102	20
41	9·6812126	2308	10°3187874	9·7380715	2999	10·2619285	10.0568589	691	9·9431411	19
42	9·6814434	2307	10°3185566	9·7383714	2999	10·2616286	10.0569280	692	9·9430720	18
43	9·6816741	2305	10°3183259	9·7386713	2997	10·2613287	10.0569972	693	9·9430028	17
44	9·6819046	2303	10°3180954	9·7389710	2997	10·2610290	10.0570665	692	9·9429335	16
45	9·6821349	2302	10°3178651	9·7392707	2995	10·2607293	10.0571357	694	9·9428643	15
46	9.6823651	2301	10°3176349	9·7395702	2994	10·2604298	10·0572051	694	9·9427949	14
47	9.6825952	2298	10°3174048	9·7398696	2993	10·2601304	10·0572745	694	9·9427255	13
48	9.6828250	2298	10°3171750	9·7401689	2992	10·2598311	10·0573439	695	9·9426561	12
49	9.6830548	2295	10°3169452	9·7404681	2991	10·2595319	10·0574134	695	9·9425866	11
50	9.6832843	2294	10°3167157	9·7407672	2990	10·2592328	10·0574829	695	9·9425171	10
51	9.6835137	2293	10·3164863	9·7410662	2988	10·2589338	10·0575524	697	9:9424476	9
52	9.6837430	2290	10·3162570	9·7413650	2988	10·2586350	10·0576221	696	9:9423779	8
53	9.6839720	2290	10·3160280	9·7416638	2986	10·2583362	10·0576917	697	9:9423083	7
54	9.6842010	2287	10·3157990	9·7419624	2985	10·2580376	10·0577614	698	9:9422386	6
55	9.6844297	2286	10·3155703	9·7422609	2985	10·2577391	10·0578312	698	9:9421688	5
56 57 58 59 60	9.6846583 9.6848868 9.6851151 9.6853432 9.6855712		10·3153417 10·3151132 10·3148849 10·3146568 10·3144288	9·7425594 9·7428577 9·7431559 9·7434540 9·7437520	2983 2982 2981 2980	10·2574406 10·2571423 10·2568441 10·2565460 10·2562480	10.0579010 10.0579709 10.0580408 10.0581107 10.0581807	699 699 699 700	9·9420990 9·9420291 9·9419592 9·9418893 9·9418193	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
										

,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·6855712 9·6857991 9·6860267 9·6862542 9·6864816 9·6867088	2279 2276 2275 2274 2272 2271	10·3144288 10·3142009 10·3139733 10·3137458 10·3135184 10·3132912	9·7437520 9·7440499 9·7443476 9·7446453 9·7449428 9·7452403	2979 2977 2977 2975 2975 2973	10·2562480 10·2559501 10·2556524 10·2553547 10·2550572 10·2547597	10·0581807 10·0582508 10·0583209 10·0583910 10·0584612 10·0585315	701 701 701 702 703 703	9-9418193 9-9417492 9-9416791 9-9416090 9-9415388 9-9414685	59 58 57 56 55
6	9.6869359	2269	10·3130641	9·7455376	2973	10·2544624	10.0586018	703	9·9413982	54
7	9.6871628	2267	10·3128372	9·7458349	2971	10·2541651	10.0586721	704	9·9413279	53
8	9.6873895	2266	10·3126105	9·7461320	2970	10·2538680	10.0587425	704	9·9412575	52
9	9.6876161	2264	10·3123839	9·7464290	2969	10·2535710	10.0588129	705	9·9411871	51
10	9.6878425	2263	10·3121575	9·7467259	2968	10·2532741	10.0588834	705	9·9411166	50
11	9.6880688	2261	10·3119312	9·7470227	2967	10·2529773	10.0589539	706	9.9410461	49
12	9.6882949	2260	10·3117051	9·7473194	2966	10·2526806	10.0590245	707	9.9409755	48
13	9.6885209	2258	10·3114791	9·7476160	2965	10·2523840	10.0590952	706	9.9409048	47
14	9.6887467	2256	10·3112533	9·7479125	2964	10·2520875	10.0591658	708	9.9408342	46
15	9.6889723	2255	10·3110277	9·7482089	2963	10·2517911	10.0592366	707	9.9407634	45
16	9.6891978	2254	10·3108022	9·7485052	2961	10·2514948	10.0593073	708	9.9406927	44
17	9.6894232	2252	10·3105768	9·7488013	2961	10·2511987	10.0593781	709	9.9406219	43
18	9.6896484	2250	10·3103516	9·7490974	2960	10·2509026	10.0594490	709	9.9405510	42
19	9.6898734	2249	10·3101266	9·7493934	2958	10·2506066	10.0595199	710	9.9404801	41
20	9.6900983	2248	10·3099017	9·7496892	2958	10·2503108	10.0595909	710	9.9404091	40
21 22 23 24 25	9.6903231 9.6905476 9.6907721 9.6909964 9.6912205	$\begin{array}{c} 2245 \\ 2245 \\ 2243 \\ 2241 \\ 2240 \end{array}$	10·3096769 10·3094524 10·3092279 10·3090036 10·3087795	9·7499850 9·7502806 9·7505762 9·7508716 9·7511669	2956 2956 2954 2953 2953	10·2500150 10·2497194 10·2494238 10·2491284 10·2488331	10.0596619 10.0597330 10.0598041 10.0598752 10.0599465	711 711 711 713 712	9.9403381 9.9402670 9.9401959 9.9401248 9.9400535	39 38 37 36 35
26	9.6914445	2238	10·3085555	9·7514622	2951	10·2485378	10.0600177	713	9 9399823	34
27	9.6916683	2236	10·3083317	9·7517573	2950	10·2482427	10.0600890	714	9 9399110	33
28	9.6918919	2236	10·3081081	9·7520523	2949	10·2479477	10.0601604	714	9 9398396	32
29	9.6921155	2233	10·3078845	9·7523472	2948	10·2476528	10.0602318	714	9 9397682	31
30	9.6923388	2232	10·3076612	9·7526420	2948	10·2473580	10.0603032	715	9 9396968	30
31	9.6925620	2231	10·3074380	9·7529368	2946	10·2470632	10.0603747	716	9·9396253	29
32	9.6927851	2229	10·3072149	9·7532314	2945	10·2467686	10.0604463	716	9·9395537	28
33	9.6930080	2228	10·3069920	9·7535259	2944	10·2464741	10.0605179	716	9·9394821	27
34	9.6932308	2226	10·3067692	9·7538203	2943	10·2461797	10.0605895	717	9·9394105	26
35	9.6934534	2224	10·3065466	9·7541146	2942	10·2458854	10.0606612	717	9·9393388	25
36	9.6936758	2223	10·3063242	9·7544088	2941	10·2455912	10.0607329	718	9·9392671	24
37	9.6938981	2222	10·3061019	9·7547029	2940	10·2452971	10.0608047	719	9·9391953	23
38	9.6941203	2220	10·3058797	9·7549969	2939	10·2450031	10.0608766	719	9·9391234	22
39	9.6943423	2219	10·3056577	9·7552908	2938	10·2447092	10.0609485	719	9·9390515	21
40	9.6945642	2217	10·3054358	9·7555846	2937	10·2444154	10.0610204	720	9·9389796	20
41	9.6947859	2215	10·3052141	9·7558783	2935	10·2441217	10.0610924	720	9·9389076	19
42	9.6950074	2214	10·3049926	9·7561718	2935	10·2438282	10.0611644	721	9·9388356	18
43	9.6952288	2213	10·3047712	9·7564653	2934	10·2435347	10.0612365	721	9·9387635	17
44	9.6954501	2211	10·3045499	9·7567587	2933	10·2432413	10.0613086	722	9·9386914	16
45	9.6956712	2210	10·3043288	9·7570520	2932	10·2429480	10.0613808	722	9·9386192	15
46	9·6958922	2208	10·3041078	9·7573452	2931	10·2426548	10.0614530	723	9·9385470	14
47	9·6961130	2206	10·3038870	9·7576383	2930	10·2423617	10.0615253	723	9·9384747	13
48	9·6963336	2205	10·3036664	9·7579313	2929	10·2420687	10.0615976	724	9·9384024	12
49	9·6965541	2204	10·3034459	9·7582242	2928	10·2417758	10.0616700	724	9·9383300	11
50	9·6967745	2202	10·3032255	9·7585170	2926	10·2414830	10.0617424	725	9·9382576	10
51	9·6969947	2201	10·3030053	9·7588096	2926	10·2411904	10.0618149	725	9·9381851	9
52	9·6972148	2199	10·3027852	9·7591022	2925	10·2408978	10.0618874	726	9·9381126	8
53	9·6974347	2198	10·3025653	9·7593947	2924	10·2406053	10.0619600	726	9·9380400	7
54	9·6976545	2196	10·3023455	9·7596871	2923	10·2403129	10.0620326	727	9·9379674	6
55	9·6978741	2195	10·3021259	9·7599794	2922	10·2400206	10.0621053	727	9·9378947	5
56 57 58 59 60	9·6980936 9·6983129 9·6985321 9·6987511 9·6989700	2193 2192 2190 2189	10·3019064 10·3016871 10·3014679 10·3012489 10·3010300	9·7602716 9·7605637 9·7608557 9·7611476 9·7614394	2921 2920 2919 2918	10·2397284 10·2394363 10·2391443 10·2388524 10·2385606	10.0621780 10.0622508 10.0623236 10.0623965 10.0624694	728 728 729 729	9·9378220 9·9377492 9·9376764 9·9376035 9·9375306	4 3 2 1 0
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

		30 Deg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
-	0 1 2 3 4 5	9.6989700 9.6991887 9.6994073 9.6996258 9.6998441 9.7000622	2187 2186 2185 2183 2181 2180	10·3010300 10·3008113 10·3005927 10·3003742 10·3001559 10·2999378	9·7614394 9·7617311 9·7620227 9·7623142 9·7626056 9·7628969	2917 2916 2915 2914 2913 2912	$\begin{array}{c} 10 \cdot 2385606 \\ 10 \cdot 2382689 \\ 10 \cdot 2379773 \\ 10 \cdot 2376858 \\ 10 \cdot 2373944 \\ 10 \cdot 2371031 \end{array}$	10.0624694 10.0625423 10.0626153 10.0626884 10.0627615 10.0628347	729 730 731 731 732 732	9·9375306 9·9374577 9·9373847 9·9373116 9·9372385 9·9371653	59 58 57 56 55
	6	9.7002802	2179	10·2997198	9·7631881	2911	10·2368119	10.0629079	732	9·9370921	54
	7	9.7004981	2177	10·2995019	9·7634792	2910	10·2365208	10.0629811	733	9·9370189	53
	8	9.7007158	2176	10·2992842	9·7637702	2910	10·2362298	10.0630544	734	9·9369456	52
	9	9.7009334	2174	10·2990666	9·7640612	2908	10·2359388	10.0631278	734	9·9368722	51
	10	9.7011508	2173	10·2988492	9·7643520	2907	10·2356480	10.0632012	734	9·9367988	50
	11	9·7013681	2171	10·2986319	9·7646427	2907	10·2353573	10.0632746	735	9·9367254	49
	12	9·7015852	2170	10·2984148	9·7649334	2905	10·2350666	10.0633481	736	9·9366519	48
	13	9·7018022	2168	10·2981978	9·7652239	2904	10·2347761	10.0634217	736	9·9365783	47
	14	9·7020190	2167	10·2979810	9·7655143	2904	10·2344857	10.0634953	736	9·9365047	46
	15	9·7022357	2166	10·2977643	9·7658047	2902	10·2341953	10.0635689	737	9·9364311	45
	16	9·7024523	2164	10·2975477	9·766949	2902	10·2339051	10.0636426	738	9·9363574	44
	17	9·7026687	2162	10·2973313	9·7663851	2900	10·2336149	10.0637164	738	9·9362836	43
	18	9·7028849	2162	10·2971151	9·7666751	2900	10·2333249	10.0637902	738	9·9362098	42
	19	9·7031011	2159	10·2968989	9·7669651	2899	10·2330349	10.0638640	739	9·9361360	41
	20	9·7033170	2159	10·2966830	9·7672550	2898	10·2327450	10.0639379	740	9·9360621	40
	21	9·7035329	2157	10·2964671	9·7675448	2896	10·2324552	10.0640119	740	9·9359881	39
	22	9·7037486	2155	10·2962514	9·7678344	2896	10·2321656	10.0640859	740	9·9359141	38
	23	9·7039641	2154	10·2960359	9·7681240	2895	10·2318760	10.0641599	741	9·9358401	37
	24	9·7041795	2152	10·2958205	9·7684135	2894	10·2315865	10.0642340	742	9·9357660	36
	25	9·7043947	2152	10·2956053	9·7687029	2893	10·2312971	10.0643082	741	9·9356918	35
	26	9.7046099	2149	10·2953901	9·7689922	2892	10·2310078	10.0643823	743	9·9356177	34
	27	9.7048248	2149	10·2951752	9·7692814	2891	10·2307186	10.0644566	743	9·9355434	33
	28	9.7050397	2146	10·2949603	9·7695705	2891	10·2304295	10.0645309	743	9·9354691	32
	29	9.7052543	2146	10·2947457	9·7698596	2889	10·2301404	10.0646052	744	9·9353948	31
	30	9.7054689	2144	10·2945311	9·7701485	2888	10·2298515	10.0646796	745	9·9353204	30
	31	9·7056833	2142	10·2943167	9·7704373	2888	10·2295627	10.0647541	744	9·9352459	29
	32	9·7058975	2141	10·2941025	9·7707261	2886	10·2292739	10.0648285	746	9·9351715	28
	33	9·7061116	2140	10·2938884	9·7710147	2886	10·2289853	10.0649031	746	9·9350969	27
	34	9·7063256	2138	10·2936744	9·7713033	2884	10·2286967	10.0649777	746	9·9350223	26
	35	9·7065394	2137	10·2934606	9·7715917	2884	10·2284083	10.0650523	747	9·9349477	25
	36	9.7067531	2136	10·2932469	9·7718801	2883	10·2281199	10.0651270	747	9·9348730	24
	37	9.7069667	2134	10·2930333	9·7721684	2882	10·2278316	10.0652017	748	9·9347983	23
	38	9.7071801	2132	10·2928199	9·7724566	2881	10·2275434	10.0652765	749	9·9347235	22
	39	9.7073933	2131	10·2926067	9·7727447	2880	10·2272553	10.0653514	748	9·9346486	21
	40	9.7076064	2130	10·2923936	9·7730327	2879	10·2269673	10.0654262	750	9·9345738	20
	41	9·7078194	2129	10·2921806	9·7733206	2878	10·2266794	10.0655012	750	9·9344988	19
	42	9·7080323	2127	10·2919677	9·7736084	2877	10·2263916	10.0655762	750	9·9344238	18
	43	9·7082450	2125	10·2917550	9·7738961	2877	10·2261039	10.0656512	751	9·9343488	17
	44	9·7084575	2124	10·2915425	9·7741838	2875	10·2258162	10.0657263	751	9·9342737	16
	45	9·7086699	2123	10·2913301	9·7744713	2875	10·2255287	10.0658014	752	9·9341986	15
	46	9·7088822	2121	10·2911178	9·7747588	2874	10·2252412	10.0658766	752	9·9341234	14
	47	9·7090943	2120	10·2909057	9·7750462	2872	10·2249538	10.0659518	753	9·9340482	13
	48	9·7093063	2119	10·2906937	9·7753334	2872	10·2246666	10.0660271	753	9·9339729	12
	49	9·7095182	2117	10·2904818	9·7756206	2871	10·2243794	10.0661024	754	9·9338976	11
	50	9·7097299	2116	10·2902701	9·7759077	2870	10·2240923	10.0661778	755	9·9338222	10
	51	9·7099415	2114	10·2900585	9·7761947	2869	10·2238053	10.0662533	754	9·9337467	9
	52	9·7101529	2113	10·2898471	9·7764816	2869	10·2235184	10.0663287	756	9·9336713	8
	53	9·7103642	2111	10·2896358	9·7767685	2867	10·2232315	10.0664043	756	9·9335957	7
	54	9·7105753	2110	10·2894247	9·7770552	2866	10·2229448	10.0664799	756	9·9335201	6
	55	9·7107863	2109	10·2892137	9·7773418	2866	10·2226582	10.0665555	757	9·9334445	5
	56 57 58 59 60	9·7109972 9·7112080 9·7114186 9·7116290 9·7118393	2108 2106 2104 2103	10·2890028 10·2887920 10·2885814 10·2883710 10·2881607	9·7776284 9·7779149 9·7782012 9·7784875 9·7787737	2865 2863 2863 2862	10·2223716 10·2220851 10·2217988 10·2215125 10·2212263	10.0666312 10.0667069 10.0667827 10.0668585 10.0669344	757 758 758 759	9·9333688 9·9332931 9·9332173 9·9331415 9·9330656	4 3 2 1 0
	,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	′

	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0	9·7118393	2102	10·2881607	9.7787737	2862	10·2212263	10·0669344	759	9·9330656	60
	1	9·7120495	2101	10·2879505	9.7790599	2860	10·2209401	10·0670103	760	9·9329897	59
	2	9·7122596	2099	10·2877404	9.7793459	2859	10·2206541	10·0670863	761	9·9329137	58
	3	9·7124695	2097	10·2875305	9.7796318	2859	10·2203682	10·0671624	760	9·9328376	57
	4	9·7126792	2097	10·2873208	9.7799177	2857	10·2200823	10·0672384	762	9·9327616	56
	5	9·7128889	2094	10·2871111	9.7802034	2857	10·2197966	10·0673146	762	9·9326854	55
	6 7 8 9 10	9·7130983 9·7133077 9·7135169 9·7137260 9·7139349	2094 2092 2091 2089 2088	$\begin{array}{c} 10 \cdot 2869017 \\ 10 \cdot 2866923 \\ 10 \cdot 2864831 \\ 10 \cdot 2862740 \\ 10 \cdot 2860651 \end{array}$	9·7804891 9·7807747 9·7810602 9·7813456 9·7816309	2856 2855 2854 2853 2853	10·2195109 10·2192253 10·2189398 10·2186544 10·2183691	10·0673908 10·0674670 10·0675433 10·0676196 10·0676960	762 763 763 764 764	9·9326092 9·9325330 9·9324567 9·9323804 9·9323040	54 53 52 51 50
	11	9·7141437	2087	10·2858563	9·7819162	2851	10·2180838	10.0677724	765	9·9322276	49
	12	9·7143524	2085	10·2856476	9·7822013	2851	10·2177987	10.0678489	765	9·9321511	48
	13	9·7145609	2084	10·2854391	9·7824864	2849	10·2175136	10.0679254	766	9·9320746	47
	14	9·7147693	2083	10·2852307	9·7827713	2849	10·2172287	10.0680020	767	9·9319980	46
	15	9·7149776	2081	10·2850224	9·7830562	2848	10·2169438	10.0680787	766	9·9319213	45
	16	9·7151857	2080	10·2848143	9·7833410	2848	10·2166590	10.0681553	768	9·9318447	44
	17	9·7153937	2078	10·2846063	9·7836258	2846	10·2163742	10.0682321	768	9·9317679	43
	18	9·7156015	2077	10·2843985	9·7839104	2845	10·2160896	10.0683089	768	9·9316911	42
	19	9·7158092	2076	10·2841908	9·7841949	2845	10·2158051	10.0683857	769	9·9316143	41
	20	9·7160168	2075	10·2839832	9·7844794	2844	10·2155206	10.0684626	769	9·9315374	40
	21	9·7162243	2073	10·2837757	9·7847638	2843	10·2152362	10.0685395	770	9·9314605	39
	22	9·7164316	2071	10·2835684	9·7850481	2842	10·2149519	10.0686165	770	9·9313835	38
	23	9·7166387	2071	10·2833613	9·7853323	2841	10·2146677	10.0686935	771	9·9313065	37
	24	9·7168458	2068	10·2831542	9·7856164	2840	10·2143836	10.0687706	772	9·9312294	36
	25	9·7170526	2068	10·2829474	9·7859004	2840	10·2140996	10.0688478	772	9·9311522	35
	26	9·7172594	2066	10·2827406	9·7861844	2838	10·2138156	10.0689250	772	9°9310750	34
	27	9·7174660	2065	10·2825340	9·7864682	2838	10·2135318	10.0690022	773	9°9309978	33
	28	9·7176725	2064	10·2823275	9·7867520	2837	10·2132480	10.0690795	773	9°9309205	32
	29	9·7178789	2062	10·2821211	9·7870357	2836	10·2129643	10.0691568	774	9°9308432	31
	30	9·7180851	2061	10·2819149	9·7873193	2835	10·2126807	10.0692342	775	9°9307658	30
	31	9·7182912	2059	10·2817088	9·7876028	2835	10·2123972	10.0693117	774	9·9306883	29
	32	9·7184971	2059	10·2815029	9·7878863	2833	10·2121137	10.0693891	776	9·9306109	28
	33	9·7187030	2056	10·2812970	9·7881696	2833	10·2118304	10.0694667	776	9·9305333	27
	34	9·7189086	2056	10·2810914	9·7884529	2832	10·2115471	10.0695443	776	9·9304557	26
	35	9·7191142	2054	10·2808858	9·7887361	2831	10·2112639	10.0696219	777	9·9303781	25
	36	9·7193196	2053	10·2806804	9·7890192	2831	10·2109808	10.0696996	778	9·9303004	24
	37	9·7195249	2051	10·2804751	9·7893023	2829	10·2106977	10.0697774	778	9·9302226	23
	38	9·7197300	2050	10·2802700	9·7895852	2829	10·2104148	10.0698552	778	9·9301448	22
	39	9·7199350	2049	10·2800650	9·7898681	2827	10·2101319	10.0699330	779	9·9300670	21
	40	9·7201399	2048	10·2798601	9·7901508	2827	10·2098492	10.0700109	779	9·9299891	20
	41	9·7203447	2046	10·2796553	9·7904335	2826	10·2095665	10.0700888	780	9·9299112	19
	42	9·7205493	2045	10·2794507	9·7907161	2826	10·2092839	10.0701668	781	9·9298332	18
	43	9·7207538	2043	10·2792462	9·7909987	2824	10·2090013	10.0702449	781	9·9297551	17
	44	9·7209581	2042	10·2790419	9·7912811	2824	10·2087189	10.0703230	781	9·9296770	16
	45	9·7211623	2041	10·2788377	9·7915635	2823	10·2084365	10.0704011	782	9·9295989	15
	46	9·7213664	2040	10·2786336	9·7918458	2822	10·2081542	10·0704793	783	9·9295207	14
	47	9·7215704	2038	10·2784296	9·7921280	2821	10·2078720	10·0705576	783	9·9294424	13
	48	9·7217742	2037	10·2782258	9·7924101	2820	10·2075899	10·0706359	784	9·9293641	12
	49	9·7219779	2035	10·2780221	9·7926921	2820	10·2073079	10·0707143	784	9·9292857	11
	50	9·7221814	2034	10·2778186	9·7929741	2819	10·2070259	10·0707927	784	9·9292073	10
	51	9·7223848	2033	10·2776152	9·7932560	2818	10·2067440	10·0708711	785	9·9291289	9
	52	9·7225881	2032	10·2774119	9·7935378	2817	10·2064622	10·0709496	786	9·9290504	8
	53	9·7227913	2030	10·2772087	9·7938195	2816	10·2061805	10·0710282	786	9·9289718	7
	54	9·7229943	2029	10·2770057	9·7941011	2816	10·2058989	10·0711068	787	9·9288932	6
	55	9·7231972	2028	10·2768028	9·7943827	2814	10·2056173	10·0711855	787	9·9288145	5
-	56 57 58 59 60	9·7234000 9·7236026 9·7238051 9·7240075 9·7242097	2026 2025 2024 2022	10·2766000 10·2763974 10·2761949 10·2759925 10 ·2 757903	9·7946641 9·7949455 9·7952268 9·7955081 9·7957892	2814 2813 2813 2811	10·2053359 10·2050545 10·2047732 10·2044919 10·2042108	10·0712642 10·0713429 10·0714217 10·0715006 10·0715795	787 788 789 789	9·9287358 9·9286571 9·9285783 9·9284994 9·9284205	4 3 2 1 0
-	′	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

	32 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7242097	2021	10·2757903	9·7957892	2811	10·2042108	10·0715795	790	9°9284205	60
1	9·7244118	2020	10·2755882	9·7960703	2810	10·2039297	10·0716585	790	9°9283415	59
2	9·7246138	2018	10·2753862	9·7963513	2809	10·2036487	10·0717375	791	9°9282625	58
3	9·7248156	2018	10·2751844	9·7966322	2808	10·2033678	10·0718166	791	9°9281834	57
4	9·7250174	2015	10·2749826	9·7969130	2808	10·2030870	10·0718957	792	9°9281043	56
5	9·7252189	2015	10·2747811	9·7971938	2808	10·2028062	10·0719749	792	9°9280251	55
6	9·7254204	2013	10·2745796	9·7974745	2806	10·2025255	10·0720541	793	9·9279459	54
7	9·7256217	2012	10·2743783	9·7977551	2805	10·2022449	10·0721334	793	9·9278666	53
8	9·7258229	2011	10·2741771	9·7980356	2804	10·2019644	10·0722127	794	9·9277873	52
9	9·7260240	2009	10·2739760	9·7983160	2804	10·2016840	10·0722921	794	9·9277079	51
10	9·7262249	2008	10·2737751	9·7985964	2803	10·2014036	10·0723715	795	9·9276285	50
11	9·7264257	2007	10·2735743	9·7988767	2802	10·2011233	10·0724510	795	9·9275490	49
12	9·7266264	2005	10·2733736	9·7991569	2801	10·2008431	10·0725305	796	9·9274695	48
13	9·7268269	2004	10·2731731	9·7994370	2800	10·2005630	10·0726101	796	9·9273899	47
14	9·7270273	2003	10·2729727	9·7997170	2800	10·2002830	10·0726897	797	9·9273103	46
15	9·7272276	2002	10·2727724	9·7999970	2799	10·2000030	10·0727694	797	9·9272306	45
16	9·7274278	2000	10·2725722	9·8002769	2798	$\begin{array}{c} 10 \cdot 1997231 \\ 10 \cdot 1994433 \\ 10 \cdot 1991635 \\ 10 \cdot 1988839 \\ 10 \cdot 1986043 \end{array}$	10·0728491	798	9·9271509	44
17	9·7276278	1999	10·2723722	9·8005567	2798		10·0729289	798	9·9270711	43
18	9·7278277	1998	10·2721723	9·8008365	2796		10·0730087	799	9·9269913	42
19	9·7280275	1996	10·2719725	9·8011161	2796		10·0730886	800	9·9269114	41
20	9·7282271	1996	10·2717729	9·8013957	2796		10·0731686	800	9·9268314	40
21	9.7284267	1993	10·2715733	9·8016752	2794	$\begin{array}{c} 10 \cdot 1983248 \\ 10 \cdot 1980454 \\ 10 \cdot 1977660 \\ 10 \cdot 1974867 \\ 10 \cdot 1972075 \end{array}$	10·0732486	800	9·9267514	39
22	9.7286260	1993	10·2713740	9·8019546	2794		10·0733286	801	9·9266714	38
23	9.7288253	1991	10·2711747	9·8022340	2793		10·0734087	801	9·9265913	37
24	9.7290244	1990	10·2709756	9·8025133	2792		10·0734888	802	9·9265112	36
25	9.7292234	1989	10·2707766	9·8027925	2791		10·0735690	803	9·9264310	35
26	9·7294223	1988	10·2705777	9·8030716	2790	10·1969284	10.0736493	803	9·9263507	34
27	9·7296211	1986	10·2703789	9·8033506	2790	10·1966494	10.0737296	803	9·9262704	33
28	9·7298197	1985	10·2701803	9·8036296	2789	10·1963704	10.0738099	805	9·9261901	32
29	9·7300182	1983	10·2699818	9·8039085	2788	10·1960915	10.0738904	804	9·9261096	31
30	9·7302165	1983	10·2697835	9·8041873	2788	10·1958127	10.0739708	805	9·9260292	30
31	9·7304148	1981	10·2695852	9·8044661	2786	10·1955339	10.0740513	806	9·9259487	29
32	9·7306129	1980	10·2693871	9·8047447	2786	10·1952553	10.0741319	806	9·9258681	28
33	9·7308109	1978	10·2691891	9·8050233	2786	10·1949767	10.0742125	806	9·9257875	27
34	9·7310087	1977	10·2689913	9·8053019	2784	10·1946981	10.0742931	808	9·9257069	26
35	9·7312064	1976	10·2687936	9·8055803	2784	10·1944197	10.0743739	807	9·9256261	25
36	9·7314040	1975	10·2685960	9.8058587	2783	10·1941413	10·0744546	808	9·925454	24
37	9·7316015	1974	10·2683985	9.8061370	2782	10·1938630	10·0745354	809	9·9254646	23
38	9·7317989	1972	10·2682011	9.8064152	2781	10·1935848	10·0746163	809	9·9253837	22
39	9·7319961	1971	10·2680039	9.8066933	2781	10·1933067	10·0746972	810	9·9253028	21
40	9·7321932	1970	10·2678068	9.8069714	2780	10·1930286	10·0747782	810	9·9252218	20
41	9·7323902	1968	10·2676098	9:8072494	2779	10·1927506	10·0748592	811	9·9251408	19
42	9·7325870	1967	10·2674130	9:8075273	2779	10·1924727	10·0749403	811	9·9250597	18
43	9·7327837	1966	10·2672163	9:8078052	2777	10·1921948	10·0750214	812	9·9249786	17
44	9·7329803	1965	10·2670197	9:8080829	2777	10·1919171	10·0751026	813	9·9248974	16
45	9·7331768	1963	10·2668232	9:8083606	2777	10·1916394	10·0751839	812	9·9248161	15
46	9·7333731	1962	10·2666269	9·8086383	2775	10·1913617	10·0752651	814	9·9247349	14
47	9·7335693	1961	10·2664307	9·8089158	2775	10·1910842	10·0753465	814	9·9246535	13
48	9·7337654	1960	10·2662346	9·8091933	2774	10·1908067	10·0754279	814	9·9245721	12
49	9·7339614	1958	10·2660386	9·8094707	2773	10·1905293	10·0755093	815	9·9244907	11
50	9·7341572	1957	10·2658428	9·8097480	2773	10·1902520	10·0755908	815	9·9244092	10
51	9·7343529	1956	10·2656471	9·8100253	2772	10·1899747	10·0756723	816	9·9243277	9
52	9·7345485	1955	10·2654515	9·8103025	2771	10·1896975	10·0757539	817	9·9242461	8
53	9·7347440	1953	10·2652560	9·8105796	2770	10·1894204	10·0758356	817	9·9241644	7
54	9·7349393	1952	10·2650607	9·8108566	2770	10·1891434	10·0759173	817	9·9240827	6
55	9·7351345	1951	10·2648655	9·8111336	2769	10·1888664	10·0759990	819	9·9240010	5
56 57 58 59 60	9·7353296 9·7355246 9·7357195 9·7359142 9·7361088	1949 1947	10.2642805	9·8114105 9·8116873 9·8119641 9·8122408 9·8125174	2768 2768 2767 2766	10·1885895 10·1883127 10·1880359 10·1877592 10·1874826	10·0760809 10·0761627 10·0762446 10·0763266 10·0764086	818 819 820 820	9·9239191 9·9238373 9·9237554 9·9236734 9·9235914	3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

	33 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7361088	1944	10·2638912	9·8125174	2765	10·1874826	10·0764086	821	9·9235914	60
1	9·7363032	1944	10·2636968	9·8127939	2765	10·1872061	10·0764907	821	9·9235093	59
2	9·7364976	1942	10·2635024	9·8130704	2764	10·1869296	10·0765728	822	9·9234272	58
3	9·7366918	1941	10·2633082	9·8133468	2763	10·1866532	10·0766550	822	9·9233450	57
4	9·7368859	1940	10·2631141	9·8136231	2762	10·1863769	10·0767372	823	9·9232628	56
5	9·7370799	1938	10·2629201	9·8138993	2762	10·1861007	10·0768195	823	9·9231805	55
6	9·7372737	1938	10·2627263	9·8141755	2761	10·1858245	10·0769018	824	9·9230982	54
7	9·7374675	1936	10·2625325	9·8144516	2761	10·1855484	10·0769842	824	9·9230158	53
8	9·7376611	1935	10·2623389	9·8147277	2759	10·1852723	10·0770666	825	9·9229334	52
9	9·7378546	1933	10·2621454	9·8150036	2759	10·1849964	10·0771491	825	9·9228509	51
10	9·7380479	1933	10·2619521	9·8152795	2759	10·1847205	10·0772316	826	9·9227684	50
11	9·7382412	1931	10·2617588	9·8155554	2757	10·1844446	10·0773142	826	9·9226858	49
12	9·7384343	1930	10·2615657	9·8158311	2757	10·1841689	10·0773968	827	9·9226032	48
13	9·7386273	1928	10·2613727	9·8161068	2756	10·1838932	10·0774795	828	9·9225205	47
14	9·7388201	1928	10·2611799	9·8163824	2756	10·1836176	10·0775623	828	9·9224377	46
15	9·7390129	1926	10·2609871	9·8166580	2755	10·1833420	10·0776451	828	9·9223549	45
16	9·7392055	1925	10·2607945	9.8169335	2754	10·1830665	10·0777279	830	9·9222721	44
17	9·7393980	1924	10·2606020	9.8172089	2753	10·1827911	10·0778109	829	9·9221891	43
18	9·7395904	1923	10·2604096	9.8174842	2753	10·1825158	10·0778938	830	9·9221062	42
19	9·7397827	1921	10·2602173	9.8177595	2752	10·1822405	10·0779768	831	9·9220232	41
20	9·7399748	1920	10·2600252	9.8180347	2751	10·1819653	10·0780599	831	9·9219401	40
21	9·7401668	1919	10·2598332	9·8183098	2751	10·1816902	10·0781430	832	9·9218570	39
22	9·7403587	1918	10·2596413	9·8185849	2750	10·1814151	10·0782262	832	9·9217738	38
23	9·7405505	1916	10·2594495	9·8188599	2749	10·1811401	10·0783094	833	9·9216906	37
24	9·7407421	1916	10·2592579	9·8191348	2748	10·1808652	10·0783927	833	9·9216073	36
25	9·7409337	1914	10·2590663	9·8194096	2748	10·1805904	10·0784760	834	9·9215240	35
26	9·7411251	1913	10°2588749	9·8196844	2748	10·1803156	10·0785594	834	9·9214406	34
27	9·7413164	1911	10°2586836	9·8199592	2746	10·1800408	10·0786428	835	9·9213572	33
28	9·7415075	1911	10°2584925	9·8202338	2746	10·1797662	10·0787263	835	9·9212737	32
29	9·7416986	1909	10°2583014	9·8205084	2745	10·1794916	10·0788098	836	9·9211902	31
30	9·7418895	1908	10°2581105	9·8207829	2745	10·1792171	10·0788934	837	9·9211066	30
31	9.7420803	1907	10·2579197	9·8210574	2743	10·1789426	10·0789771	836	9·9210229	29
32	9.7422710	1906	10·2577290	9·8213317	2743	10·1786683	10·0790607	838	9·9209393	28
33	9.7424616	1904	10·2575384	9·8216060	2743	10·1783940	10·0791445	838	9·9208555	27
34	9.7426520	1903	10·2573480	9·8218803	2742	10·1781197	10·0792283	839	9·9207717	26
35	9.7428423	1902	10·2571577	9·8221545	2741	10·1778455	10·0793122	839	9·9206878	25
36	9·7430325	1901	10·2569675	9·8224286	2740	10·1775714	10·0793961	839	9·9206039	24
37	9·7432226	1900	10·2567774	9·8227026	2740	10·1772974	10·0794800	840	9·9205200	23
38	9·7434126	1898	10·2565874	9·8229766	2739	10·1770234	10·0795640	841	9·9204360	22
39	9·7436024	1897	10·2563976	9·8232505	2739	10·1767495	10·0796481	841	9·9203519	21
40	9·7437921	1896	10·2562079	9·8235244	2737	10·1764756	10·0797322	842	9·9202678	20
41	9·7439817	1895	10·2560183	9·8237981	2738	10·1762019	10·0798164	842	9·9201836	19
42	9·7441712	1894	10·2558288	9·8240719	2736	10·1759281	10·0799006	843	9·9200994	18
43	9·7443606	1892	10·2556394	9·8243455	2736	10·1756545	10·0799849	843	9·9200151	17
44	9·7445498	1892	10·2554502	9·8246191	2735	10·1753809	10·0800692	844	9·9199308	16
45	9·7447390	1890	10·2552610	9·8248926	2734	10·1751074	10·0801536	845	9·9198464	15
46	9.7449280	1889	10·2550720	9·8251660	2734	10·1748340	10.0802381	844	9·9197619	14
47	9.7451169	1887	10·2548831	9·8254394	2733	10·1745606	10.0803225	846	9·9196775	13
48	9.7453056	1887	10·2546944	9·8257127	2733	10·1742873	10.0804071	846	9·9195929	12
49	9.7454943	1885	10·2545057	9·8259860	2732	10·1740140	10.0804917	846	9·9195083	11
50	9.7456828	1884	10·2543172	9·8262592	2731	10·1727408	10.0805763	847	9·9194237	10
51	9·7458712	1883	10·2541288	9.8265323	2730	10·1734677	10.0806610	848	9·9193390	9
52	9·7460595	1882	10·2539405	9.8268053	2730	10·1731947	10.0807458	848	9·9192542	8
53	9·7462477	1881	10·2537523	9.8270783	2730	10·1729217	10.0808306	849	9·9191694	7
54	9·7464358	1879	10·2535642	9.8273513	2728	10·1726487	10.0809155	849	9·9190845	6
55	9·7466237	1878	10·2533763	9.8276241	2728	10·1723759	10.0810004	850	9·9189996	5
56 57 58 59 60	9·7468115 9·7469992 9·7471868 9·7473743 9·7475617	1877 1876 1875 1874	10·2531885 10·2530008 10·2528132 10·2526257 10·2524383	9·8278969 9·8281696 9·8284423 9·8287149 9·8289874	2727 2727 2726 2725	10·1721031 10·1718304 10·1715577 10·1712851 10·1710126	10.0810854 10.0811704 10.0812555 10.0813406 10.0814258	850 851 851 852	9·9189146 9·9188296 9·9187445 9·9186594 9·9185742	4 3 2 1 0
′	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

	34 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7475617	1872	$\begin{array}{c} 10 \cdot 2524383 \\ 10 \cdot 2522511 \\ 10 \cdot 2520640 \\ 10 \cdot 2518770 \\ 10 \cdot 2516901 \\ 10 \cdot 2515033 \end{array}$	9·8289874	2725	10·1710126	10.0814258	852	9·9185742	60
1	9·7477489	1871		9·8292599	2724	10·1707401	10.0815110	853	9·9184890	59
2	9·7479360	1870		9·8295323	2724	10·1704677	10.0815963	854	9·9184037	58
3	9·7481230	1869		9·8298047	2722	10·1701953	10.0816817	854	9·9183183	57
4	9·7483099	1868		9·8300769	2723	10·1699231	10.0817671	854	9·9182329	56
5	9·7484967	1866		9·8303492	2721	10·1696508	10.0818525	855	9·9181475	55
6	9·7486833	1865	10·2513167	9.8306213	2721	10·1693787	10.0819380	856	9·9180620	54
7	9·7488698	1864	10·2511302	9.8308934	2720	10·1691066	10.0820236	856	9·9179764	53
8	9·7490562	1863	10·2509438	9.8311654	2720	10·1688346	10.0821092	857	9·9178908	52
9	9·7492425	1862	10·2507575	9.8314374	2719	10·1685626	10.0821949	857	9·9178051	51
10	9·7494287	1861	10·2505713	9.8317093	2718	10·1682907	10.0822806	858	9·9177194	50
11	9.7496148	1859	10·2503852	9·8319811	2718	10·1680189	10.0823664	858	9·9176336	49
12	9.7498007	1859	10·2501993	9·8322529	2717	10·1677471	10.0824522	859	9·9175478	48
13	9.7499866	1857	10·2500134	9·8325246	2717	10·1674754	10.0825381	859	9·9174619	47
14	9.7501723	1856	10·2498277	9·8327963	2716	10·1672037	10.0826240	860	9·9173760	46
15	9.7503579	1855	10·2496421	9·8330679	2715	10·1669321	10.0827100	860	9·9172900	45
16	9.7505434	1853	10·2494566	9·8333394	2715	10·1666606	10·0827960	861	9·9172040	44
17	9.7507287	1853	10·2492713	9·8336109	2714	10·1663891	10·0828821	862	9·9171179	43
18	9.7509140	1851	10·2490860	9·8338823	2713	10·1661177	10·0829683	862	9·9170317	42
19	9.7510991	1851	10·2489009	9·8341536	2713	10·1658464	10·0830545	862	9·9169455	41
20	9.7512842	1849	10·2487158	9·8344249	2712	10·1655751	10·0831407	863	9·9168593	40
21	9.7514691	1847	10:2485309	9·8346961	2712	10·1653039	10.0832270	864	9·9167730	39
22	9.7516538	1847	10:2483462	9·8349673	2711	10·1650327	10.0833134	864	9·9166866	38
23	9.7518385	1846	10:2481615	9·8352384	2710	10·1647616	10.0833998	865	9·9166002	37
24	9.7520231	1844	10:2479769	9·8355094	2710	10·1644906	10.0834863	865	9·9165137	36
25	9.7522075	1844	10:2477925	9·8357804	2709	10·1642196	10.0835728	866	9·9164272	35
26	9·7523919	1842	10·2476081	9·8360513	2708	10·1639487	10.0836594	867	9·9163406	34
27	9·7525761	1841	10·2474239	9·8363221	2708	10·1636779	10.0837461	866	9·9162539	33
28	9·7527602	1840	10·2472398	9·8365929	2707	10·1634071	10.0838327	868	9·9161673	32
29	9·7529442	1838	10·2470558	9·8368636	2707	10·1631364	10.0839195	868	9·9160805	31
30	9·7531280	1838	10·2468720	9·8371343	2706	10·1628657	10.0840063	868	9·9159937	30
31	9.7533118	1836	10·2466882	9·8374049	2706	10·1625951	10.0840931	869	9·9159069	29
32	9.7534954	1836	10·2465046	9·8376755	2705	10·1623245	10.0841800	870	9·9158200	28
33	9.7536790	1834	10·2463210	9·8379460	2704	10·1620540	10.0842670	870	9·9157330	27
34	9.7538624	1833	10·2461376	9·8382164	2703	10·1617836	10.0843540	871	9·9156460	26
35	9.7540457	1831	10·2459543	9·8384867	2704	10·1615133	10.0844411	871	9·9155589	25
36	9.7542288	1831	10·2457712	9·8387571	2702	10·1612429	10.0845282	872	9.9154718	24
37	9.7544119	1830	10·2455881	9·8390273	2702	10·1609727	10.0846154	872	9.9153846	23
38	9.7545949	1828	10·2454051	9·8392975	2701	10·1607025	10.0847026	873	9.9152974	22
39	9.7547777	1827	10·2452223	9·8395676	2701	10·1604324	10.0847899	873	9.9152101	21
40	9.7549604	1827	10·2450396	9·8398377	2700	10·1601623	10.0848772	874	9.9151228	20
41	9.7551431	1825	10·2448569	9·8401077	2699	10·1598923	10.0849646	875	9·9150354	19
42	9.7553256	1824	10·2446744	9·8403776	2699	10·1596224	10.0850521	875	9·9149479	18
43	9.7555080	1822	10·2444920	9·8406475	2699	10·1593525	10.0851396	875	9·9148604	17
44	9.7556902	1822	10·24443098	9·8409174	2697	10·1590826	10.0852271	877	9·9147729	16
45	9.7558724	1820	10·2441276	9·8411871	2698	10·1588129	10.0853148	876	9·9146852	15
46	9.7560544	1820	10°2439456	9.8414569	2696	10·1585431	10.0854024	877	9·9145976	14
47	9.7562364	1818	10°2437636	9.8417265	2696	10·1582735	10.0854901	878	9·9145099	13
48	9.7564182	1817	10°2435818	9.8419961	2696	10·1580039	10.0855779	879	9·9144221	12
49	9.7565999	1816	10°2434001	9.8422657	2694	10·1577343	10.0856658	878	9·9143342	11
50	9.7567815	1815	10°2432185	9.8425351	2695	10·1574649	10.0857536	880	9·9142464	10
51	9.7569630	1814	10·2430370	9·8428046	2693	10·1571954	10.0858416	880	9·9141584	9
52	9.7571444	1812	10·2428556	9·8430739	2693	10·1569261	10.0859296	880	9·9140704	8
53	9.7573256	1812	10·2426744	9·8433432	2693	10·1566568	10.0860176	881	9·9139824	7
54	9.7575068	1810	10·2424932	9·8436125	2692	10·1563875	10.0861057	882	9·9138943	6
55	9.7576878	1809	10·2423122	9·8438817	2691	10·1561183	10.0861939	882	9·9138061	5
56 57 58 59 60	9.7578687 9.7580495 9.7582302 9.7584108 9.7585913	1808 1807 1806 1805	10·2421313 10·2419505 10·2417698 10·2415892 10·2414087	9·8441508 9·8444199 9·8446889 9·8449579 9·8452268	2691 2690 2690 2689	10·1558492 10·1555801 10·1553111 10·1550421 10·1547732	10.0862821 10.0863704 10.0864587 10.0865470 10.0866355	883 883 883 885	9·9137179 9·9136296 9·9135413 9·9134530 9·9133645	4 3 2 1 0
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
	I									t l

i	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0 1 2 3 4	9·7585913 9·7587717 9·7589519 9·7591321 9·7593121	1804 1802 1802 1800 1799	10·2414087 10·2412283 10·2410481 10·2408679 10·2406879 10·2405080	9·8452268 9·8454956 9·8457644 9·8460332 9·8463018	2688 2688 2688 2686 2687	10·1547732 10·1545044 10·1542356 10·1539668 10·1536982	10.0866355 10.0867240 10.0868125 10.0869011 10.0869898	885 885 886 887 887	9.9133645 9.9132760 9.9131875 9.9130989 9.9130102 9.9129215	60 59 58 57 56 55
	5 6 7 8 9	9.7594920 9.7596718 9.7598515 9.7600311 9.7602106 9.7603899	1798 1797 1796 1795 1793 1793	10·2403080 10·2403282 10·2401485 10·2399689 10·2397894 10·2396101	9.8465705 9.8468390 9.8471075 9.8473760 9.8476444 9.8479127	2685 2685 2684 2683 2683	10·1534295 10·1531610 10·1528925 10·1526240 10·1523556 10·1520873	10.0870785 10.0871672 10.0872560 10.0873449 10.0874338 10.0875228	887 888 889 889 890 890	9·9129213 9·9128328 9·9127440 9·9126551 9·9125662 9·9124772	54 53 52 51 50
	11 12 13 14 15	9·7605692 9·7607483 9·7609274 9·7611063 9·7612851	1791 1791 1789 1788 1787	10·2394308 10·2392517 10·2390726 10·2388937 10·2387149	9·8481810 9·8484492 9·8487174 9·8489855 9·8492536	2682 2682 2681 2681 2680	10·1518190 10·1515508 10·1512826 10·1510145 10·1507464	10.0876118 10.0877009 10.0877901 10.0878793 10.0879685	891 892 892 892 893	9·9123882 9·9122991 9·9122099 9·9121207 9·9120315	49 48 47 46 45
	16 17 18 19 20	9·7614638 9·7616424 9·7618208 9·7619992 9·7621775	1786 1784 1784 1783 1781	10·2385362 10·2383576 10·2381792 10·2380008 10·2378225	9.8495216 9.8497896 9.8500575 9.8503253 9.8505931	2680 2679 2678 2678 2677	10·1504784 10·1502104 10·1499425 10·1496747 10·1494069	10.0880578 10.0881472 10.0882366 10.0883261 10.0884156	894 894 895 895 896	9·9119422 9·9118528 9·9117634 9·9116739 9·9115844	44 43 42 41 40
	21 22 23 24 25	9·7623556 9·7625337 9·7627116 9·7628894 9·7630671	1781 1779 1778 1777 1776	10·2376444 10·2374663 10·2372884 10·2371106 10·2369329	9.8508608 9.8511285 9.8513961 9.8516637 9.8519312	2677 2676 2676 2675 2675	10·1491392 10·1488715 10·1486039 10·148363 10·1480688	10.0885052 10.0885949 10.0886845 10.0887743 10.0888641	897 896 898 898 899	9·9114948 9·9114051 9·9113155 9·9112257 9·9111359	39 38 37 36 35
	26 27 28 29 30	9.7632447 9.7634222 9.7635996 9.7637769 9.7639540	1775 1774 1778 1771 1771	10·2367553 10·2365778 10·2364004 10·2362231 10·2360460	9.8521987 9.8524661 9.8527335 9.8530008 9.8532680	2674 2674 2673 2672 2672	10·1478013 10·1475339 10·1472665 10·1469992 10·1467320	10.0889540 10.0890439 10.0891339 10.0892239 10.0893140	899 900 900 901 901	9:9110460 9:9109561 9:9108661 9:9107761 9:9106860	34 33 32 31 30
	31 32 33 34 35	9 7641311 9 7643080 9 7644849 9 7646616 9 7648382	1769 1769 1767 1766 1765	10·2358689 10·2356920 10·2355151 10·2353384 10·2351618	9·8535352 9·8538023 9·8540694 9·8543365 9·8546034	2671 2671 2671 2669 2670	10:1464648 10:1461977 10:1459306 10:1456635 10:1453966	10.0894041 10.0894943 10.0895845 10.0896749 10.0897652	902 902 904 903 904	9·9105959 9·9105057 9·9104155 9·9103251 9·9102348	29 28 27 26 25
	36 37 38 39 40	9·7650147 9·7651911 9·7653674 9·7655436 9·7657197	1764 1763 1762 1761 1760	10·2349853 10·2348089 10·2346326 10·2344564 10·2342803	9.8548704 9.8551372 9.8554041 9.8556708 9.8559376	2668 2669 2667 2668 2666	10·1451296 10·1448628 10·1445959 10·1443292 10·1440624	10.0898556 10.0899461 10.0900366 10.0901272 10.0902179	905 905 906 907 906	9·9101444 9·9100539 9·9099634 9·9098728 9·9097821	24 23 22 21 20
	41 42 43 44 45	9·7658957 9·7660715 9·7662473 9·7664229 9·7665985	1758 1758 1756 1756 1754	10·2341043 10·2339285 10·2337527 10·2335771 10·2334015	9·8562042 9·8564708 9·8567374 9·8570039 9·8572704	2666 2665 2665 2664	10·1437958 10·1435292 10·1432626 10·1429961 10·1427296	10.0903085 10.0903993 10.0904901 10.0905810 10.0906719	908 908 909 909 910	9·9096915 9·9096007 9·9095099 9·9094190 9·9093281	19 18 17 16 15
	46 47 48 49 50	9.7667739 9.7669492 9.7671244 9.7672996 9.7674746	1753 1752 1752 1750 1748	10·2332261 10·2330508 10·2328756 10·2327004 10·2325254	9.8575368 9.8578031 9.8580694 9.8583357 9.8586019	2663 2663 2663 2662 2661	10·1424632 10·1421969 10·1419306 10·1416643 10·1413981	10·0907629 10·0908539 10·0909450 10·0910361 10·0911273	910 911 911 912 913	9·9092371 9·9091461 9·9090550 9·9089639 9·9088727	14 13 12 11 10
	51 52 53 54 55	9.7676494 9.7678242 9.7679989 9.7681735 9.7683480	1748 1747 1746 1745 1743	10·2323506 10·2321758 10·2320011 10·2318265 10·2316520	9.8588680 9.8591341 9.8594002 9.8596661 9.8599321	2661 2659 2660 2659	10·1411320 10·1408659 10·1405998 10·1403339 10·1400679	10.0912186 10.0913099 10.0914012 10.0914927 10.0915841	913 913 915 914 916	9·9087814 9·9086901 9·9085988 9·9085073 9·9084159	98765
	56 57 58 59 60	9·7685223 9·7686966 9·7688707 9·7690448 9·7692187	1743 1741 1741 1739	10·2314777 10·2313034 10·2311293 10·2309552 10·2307813	9·8601980 9·8604638 9·8607296 9·8609954 9·8612610	2658 2658 2658 2656	10·1398020 10·1395362 10·1392704 10·1390046 10·1387390	10·0916757 10·0917673 10·0918589 10·0919506 10·0920424	916 916 917 918	9·9083243 9·9082327 9·9081411 ⁰ 9·9080494 9·9079576	4 3 2 1 0
	'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	<i>'</i> .

	36 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7692187	1738	10·2307813	9·8612610	2657	10·1387390	$\begin{array}{c} 10 \cdot 0920424 \\ 10 \cdot 0921342 \\ 10 \cdot 0922260 \\ 10 \cdot 0923180 \\ 10 \cdot 0924099 \\ 10 \cdot 0925020 \end{array}$	918	9·9079576	60
1	9·7693925	1737	10·2306075	9·8615267	2656	10·1384733		918	9·9078658	59
2	9·7695662	1736	10·2304338	9·8617923	2655	10·1382077		920	9·9077740	58
3	9·7697398	1736	10·2302602	9·8620578	2655	10·1379422		919	9·9076820	57
4	9·7699134	1734	10·2300866	9·8623233	2654	10·1376767		921	9·9075901	56
5	9·7700868	1733	10·2299132	9·8625887	2654	10·1374113		921	9·9074980	55
6	9·7702601	1731	10·2297399	9.8628541	2654	10·1371459	10.0925941	921	9·9074059	54
7	9·7704332	1731	10·2295668	9.8631195	2653	10·1368805	10.0926862	922	9·9073138	53
8	9·7706063	1730	10·2293937	9.8633848	2652	10·1366152	10.0927784	923	9·9072216	52
9	9·7707793	1729	10·2292207	9.8636500	2652	10·1363500	10.0928707	923	9·9071293	51
10	9·7709522	1727	10·2290478	9.8639152	2651	10·1360848	10.0929630	924	9·9070370	50
11	9·7711249	1727	10·2288751	9·8641803	2651	10·1358197	10.0930554	924	9·9069446	49
12	9·7712976	1726	10·2287024	9·8644454	2651	10·1355546	10.0931478	925	9·9068522	48
13	9·7714702	1724	10·2285298	9·8647105	2650	10·1352895	10.0932403	926	9·9067597	47
14	9·7716426	1724	10·2283574	9·8649755	2649	10·1350245	10.0933329	926	9·9066671	46
15	9·7718150	1722	10·2281850	9·8652404	2649	10·1347596	10.0934255	926	9·9065745	45
16	9·7719872	1721	10·2280128	9:8655053	2649	10·1344947	10·0935181	927	9·9064819	44
17	9·7721593	1721	10·2278407	9:8657702	2648	10·1342298	10·0936108	928	9·9063892	43
18	9·7723314	1719	10·2276686	9:8660350	2647	10·1339650	10·0937036	928	9·9062964	42
19	9·7725033	1718	10·2274967	9:8662997	2647	10·1337003	10·0937964	929	9·9062036	41
20	9·7726751	1717	10·2273249	9:8665644	2647	10·1334356	10·0938893	930	9·9061107	40
21	9·7728468	1717	10·2271532	9·8668291	2646	10·1331709	10·0939823	930	9·9060177	39
22	9·7730185	1715	10·2269815	9·8670937	2646	10·1329063	10·0940753	930	9·9059247	38
23	9·7731900	1714	10·2268100	9·8673583	2645	10·1326417	10·0941683	931	9·9058317	37
24	9·7733614	1713	10·2266386	9·8676228	2645	10·1323772	10·0942614	932	9·9057386	36
25	9·7735327	1712	10·2264673	9·8678873	2644	10·1321127	10·0943546	932	9·9056454	35
26	9.7737039	1710	10·2262961	9·8681517	2643	10·1318483	10·0944478	933	9·9055522	34
27	9.7738749	1710	10·2261251	9·8684160	2644	10·1315840	10·0945411	933	9·9054589	33
28	9.7740459	1709	10·2259541	9·8686804	2642	10·1313196	10·0946344	934	9·9053656	32
29	9.7742168	1708	10·2257832	9·8689446	2643	10·1310554	10·0947278	935	9·9052722	31
30	9.7743876	1707	10·2256124	9·8692089	2642	10·1307911	10·0948213	935	9·9051787	30
31	9·7745583	1705	10·2254417	9·8694731	2641	10·1305269	10.0949148	936	9·9050852	29
32	9·7747288	1705	10·2252712	9·8697372	2641	10·1302628	10.0950084	936	9·9049916	28
33	9·7748993	1704	10·2251007	9·8700013	2640	10·1299987	10.0951020	937	9·9048980	27
34	9·7750697	1702	10·2249303	9·8702653	2640	10·1297347	10.0951957	937	9·9048043	26
35	9·7752399	1702	10·2247601	9·8705293	2640	10·1294707	10.0952894	938	9·9047106	25
36	9.7754101	1700	10·2245899	9·8707933	2639	10·1292067	10.0953832	938	9·9046168	24
37	9.7755801	1700	10·2244199	9·8710572	2638	10·1289428	10.0954770	939	9·9045230	23
38	9.7757501	1698	10·2242499	9·8713210	2638	10·1286790	10.0955709	940	9·9044291	22
39	9.7759199	1698	10·2240801	9·8715848	2638	10·1284152	10.0956649	940	9·9043351	21
40	9.7760897	1696	10·2239103	9·8718486	2637	10·1281514	10.0957589	941	9·9042411	20
41	9.7762593	1696	10·2237407	9:8721123	2637	10·1278877	10·0958530	941	9°9041470	19
42	9.7764289	1694	10·2235711	9:8723760	2636	10·1276240	10·0959471	942	9°9040529	18
43	9.7765983	1693	10·2234017	9:8726396	2636	10·1273604	10·0960413	943	9°9039587	17
44	9.7767676	1693	10·2232324	9:8729032	2636	10·1270968	10·0961356	943	9°9038644	16
45	9.7769369	1691	10·2230631	9:8731668	2634	10·1268332	10·0962299	944	9°9037701	15
46	9·7771060	1690	10·2228940	9·8734302	2635	10·1265698	10·0963243	944	9·9036757	14
47	9·7772750	1689	10·2227250	9·8736937	2634	10·1263063	10·0964187	945	9·9035813	13
48	9·7774439	1689	10·2225561	9·8739571	2633	10·1260429	10·0965132	945	9·9034868	12
49	9·7776128	1687	10·2223872	9·8742204	2634	10·1257796	10·0966077	946	9·9033923	11
50	9·7777815	1686	10·2222185	9·8744838	2632	10·1255162	10·0967023	946	9·9032977	10
51	9·7779501	1685	10°2220499	9·8747470	2632	10·1252530	10.0967969	947	9 9032031	9
52	9·7781186	1684	10°2218814	9·8750102	2632	10·1249898	10.0968916	948	9 9031084	8
53	9·7782870	1683	10°2217130	9·8752734	2631	10·1247266	10.0969864	948	9 9030136	7
54	9·7784553	1682	10°2215447	9·8755365	2631	10·1244635	10.0970812	949	9 9029188	6
55	9·7786235	1681	10°2213765	9·8757996	2631	10·1242004	10.0971761	950	9 9028239	5
56 57 58 59 60	9.7787916 9.7789596 9.7791275 9.7792953 9.7794630	1680 1679 1678 1677	10°2212084 10°2210404 10°2208725 10°2207047 10°2205370	9·8760627 9·8763257 9·8765886 9·8768515 9·8771144	2630 2629 2629 2629	10·1239373 10·1236743 10·1234114 10·1231485 10·1228856	10·0972711 10·0973661 10·0974611 10·0975562 10·0976514	950 950 951 952	9·9027289 9·9026339 9·9025389 9·9024438 9·9023486	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
	l									

	37 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·7794630 9·7796306 9·7797981 9·7799655 9·7801328 9·7803000	1676 1675 1674 1673 1672 1671	10·2205370 10·2203694 10·2202019 10·2200345 10·2198672 10·2197000	9·8771144 9·8773772 9·8776400 9·8779027 9·8781654 9·8784281	2628 2628 2627 2627 2627 2627 2626	10·1228856 10·1226228 10·1223600 10·1220973 10·1218346 10·1215719	$\begin{array}{c} 10.0976514 \\ 10.0977466 \\ 10.0978419 \\ 10.0979372 \\ 10.0980326 \\ 10.0981281 \end{array}$	952 953 953 954 955 955	9·9023486 9·9022534 9·9021581 9·9020628 9·9019674 9·9018719	60 59 58 57 56 55
6	9.7804671	1670	10·2195329	9·8786907	2626	10·1213093	10·0982236	956	9°9017764	54
7	9.7806341	1669	10·2193659	9·8789533	2625	10·1210467	10·0983192	956	9°9016808	53
8	9.7808010	1667	10·2191990	9·8792158	2624	10·1207842	10·0984148	957	9°9015852	52
9	9.7809677	1667	10·2190323	9·8794782	2625	10·1205218	10·0985105	957	9°9014895	51
10	9.7811344	1666	10·2188656	9·8797407	2624	10·1202593	10·0986062	958	9°9013938	50
11	9·7813010	1665	10·2186990	9.8800031	2623	10·119969	10·0987020	959	9·9012980	49
12	9·7814675	1664	10·2185325	9.8802654	2623	10·1197346	10·0987979	959	9·9012021	48
13	9·7816339	1663	10·2183661	9.8805277	2623	10·1194723	10·0988938	960	9·9011062	47
14	9·7818002	1662	10·2181998	9.8807900	2622	10·1192100	10·0989898	960	9·9010102	46
15	9·7819664	1660	10·2180336	9.8810522	2622	10·1189478	10·0990858	961	9·9009142	45
16	9·7821324	1660	10·2178676	9·8813144	2621	10·1186856	10.0991819	962	9 9008181	44
17	9·7822984	1659	10·2177016	9·8815765	2621	10·1184235	10.0992781	962	9 9007219	43
18	9·7824643	1658	10·2175357	9·8818386	2621	10·1181614	10.0993743	963	9 9006257	42
19	9·7826301	1657	10·2173699	9·8821007	2620	10·1178993	10.0994706	963	9 9005294	41
20	9·7827958	1656	10·2172042	9·8823627	2619	10·1176373	10.0995669	964	9 9004331	40
21	9.7829614	1654	10·2170386	9.8826246	2620	10·1173754	10·0996633	964	9·9003367	39
22	9.7831268	1654	10·2168732	9.8828866	2618	10·1171134	10·0997597	965	9·9002403	38
23	9.7832922	1653	10·2167078	9.8831484	2619	10·1168516	10·0998562	966	9·9001438	37
24	9.7834575	1652	10·2165425	9.8834103	2618	10·1165897	10·0999528	966	9·9000472	36
25	9.7836227	1651	10·2163773	9.8836721	2617	10·1163279	10·1000494	967	9·8999506	35
26	9.7837878	1650	10·2162122	9·8839338	2618	10·1160662	10·1001461	967	9·8998539	34
27	9.7839528	1649	10·2160472	9·8841956	2616	10·1158044	10·1002428	968	9·8997572	33
28	9.7841177	1647	10·2158823	9·8844572	2617	10·1155428	10·1003396	968	9·8996604	32
29	9.7842824	1647	10·2157176	9·8847189	2616	10·1152811	10·1004364	969	9·8995636	31
30	9.7844471	1646	10·2155529	9·8849805	2615	10·1150195	10·1005333	970	9·8994667	30
31	9.7846117	1645	10·2153883	9.8852420	2615	10·1147580	10·1006303	970	9·8993697	29
32	9.7847762	1644	10·2152238	9.8855035	2615	10·1144965	10·1007273	971	9·8992727	28
33	9.7849406	1643	10·2150594	9.8857650	2614	10·1142350	10·1008244	972	9·8991756	27
34	9.7851049	1642	10·2148951	9.8860264	2614	10·1139736	10·1009216	972	9·8990784	26
35	9.7852691	1641	10·2147309	9.8862878	2614	10·1137122	10·1010188	972	9·8989812	25
36	9·7854332	1640	10·2145668	9.8865492	2613	10·1134508	10·1011160	973	9·8988840	24
37	9·7855972	1639	10·2144028	9.8868105	2613	10·1131895	10·1012133	974	9·8987867	23
38	9·7857611	1638	10·2142389	9.8870718	2612	10·1129282	10·1013107	974	9·8986893	22
39	9·7859249	1637	10·2140751	9.8873330	2612	10·1126670	10·1014081	975	9·8985919	21
40	9·7860886	1636	10·2139114	9.8875942	2612	10·1124058	10·1015056	976	9·8984944	20
41	9.7862522	1635	10·2137478	9·8878554	2611	10:1121446	10·1016032	976	9·8983968	19
42	9.7864157	1634	10·2135843	9·8881165	2610	10:1118835	10·1017008	977	9·8982992	18
43	9.7865791	1633	10·2134209	9·8883775	2611	10:1116225	10·1017985	977	9·8982015	17
44	9.7867424	1632	10·2132576	9·8886386	2610	10:1113614	10·1018962	978	9·8981038	16
45	9.7869056	1631	10·2130944	9·8888996	2609	10:1111004	10·1019940	978	9·8980060	15
46	9.7870687	1630	10·2129313	9.8891605	2609	10:1108395	10·1020918	979	9·8979082	14
47	9.7872317	1629	10·2127683	9.8894214	2609	10:1105786	10·1021897	980	9·8978103	13
48	9.7873946	1628	10·2126054	9.8896823	2609	10:1103177	10·1022877	980	9·8977123	12
49	9.7875574	1628	10·2124426	9.8899432	2608	10:1100568	10·1023857	981	9·8976143	11
50	9.7877202	1626	10·2122798	9.8902040	2607	10:1097960	10·1024838	981	9·8975162	10
51	9·7878828	1625	10·2121172	9·8904647	2607	10·1095353	10·1025819	982	9·8974181	9
52	9·7880453	1624	10·2119547	9·8907254	2607	10·1092746	10·1026801	983	9·8973199	8
53	9·7882077	1624	10·2117923	9·8909861	2607	10·1090139	10·1027784	983	9·8972216	7
54	9·7883701	1622	10·2116299	9·8912468	2606	10·1087532	10·1028767	984	9·8971233	6
55	9·7885323	1621	10·2114677	9·8915074	2605	10·1084926	10·1029751	984	9·8970249	5
56 57 58 59 60	9·7886944 9·7888565 9·7890184 9·7891802 9·7893420	1621 1619 1618 1618	10·2113056 10·2111435 10·2109816 10·2108198 10·2106580	9·8917679 9·8920285 9·8922890 9·8925494 9·8928098	2606 2605 2604 2604	10·1082321 10·1079715 10·1077110 10·1074506 10·1071902	10·1030735 10·1031720 10·1032706 10·1033692 10·1034679	985 986 986 987	9·8969265 9·8968280 9·8967294 9·8966308 9·8965321	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

38 Deg.

	so Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3 4 5	9·7893420 9·7895036 9·7896652 9·7898266 9·7899880 9·7901493	1616 1616 1614 1614 1613 1611	10°2106580 10°2104964 10°2103348 10°2101734 10°2100120 10°2098507	9·8928098 9·8930702 9·8933306 9·8935909 9·8938511 9·8941114	2604 2604 2603 2602 2603 2601	10 1071902 10 1069298 10 1066694 10 1064091 10 1061489 10 1058886	10·1034679 10·1035666 10·1036654 10·1037642 10·1038631 10·1039621	987 988 988 989 990	9·8965321 9·8964334 9·8963346 9·8962358 9·8961369 9·8960379	60 59 58 57 56 55
6	9·7903104	1611	10·2096896	9·8943715	2602	10·1056285	10·1040611	991	9·8959389	54
7	9·7904715	1610	10·2095285	9·8946317	2601	10·1053683	10·1041602	992	9·8958398	53
8	9·7906325	1608	10·2093675	9·8948918	2601	10·1051082	10·1042594	992	9·8957406	52
9	9·7907933	1608	10·2092067	9·8951519	2600	10·1048481	10·1043586	992	9·8956414	51
10	9·7909541	1607	10·2090459	9·8954119	2600	10·1045881	10·1044578	993	9·8955422	50
11	9·7911148	1606	10·2088852	9.8956719	2600	10·1043281	10·1045571	994	9:8954429	49
12	9·7912754	1605	10·2087246	9.8959319	2599	10·1040681	10·1046565	995	9:8953435	48
13	9·7914359	1604	10·2085641	9.8961918	2599	10·1038082	10·1047560	995	9:8952440	47
14	9·7915963	1603	10·2084037	9.8964517	2599	10·1035483	10·1048555	995	9:8951445	46
15	9·7917566	1602	10·2082434	9.8967116	2598	10·1032884	10·1049550	997	9:8950450	45
16	9.7919168	1601	10·2080832	9·8969714	2598	10·1030286	10·1050547	996	9·8949453	44
17	9.7920769	1600	10·2079231	9·8972312	2598	10·1027688	10·1051543	998	9·8948457	43
18	9.7922369	1599	10·2077631	9·8974910	2597	10·1025090	10·1052541	998	9·8947459	42
19	9.7923968	1598	10·2076032	9·8977507	2597	10·1022493	10·1053539	998	9·8946461	41
20	9.7925566	1597	10·2074434	9·8980104	2596	10·1017896	10·1054537	1000	9·8945463	40
21	9.7927163	1597	10·2072837	9·8982700	2596	10·1017300	10·1055537	999	9:8944463	39
22	9.7928760	1595	10·2071240	9·8985296	2596	10·1014704	10·1056536	1001	9:8943464	38
23	9.7930355	1594	10·2069645	9·8987892	2595	10·1012108	10·1057537	1001	9:8942463	37
24	9.7931949	1594	10·2068051	9·8990487	2595	10·1009513	10·1058538	1001	9:8941462	36
25	9.7933543	1592	10·2066457	9·8993082	2595	10·1006918	10·1059539	1003	9:3940461	35
26	9·7935135	1592	10·2064865	9·8995677	2594	10·1004323	10·1060542	1002	9·8939458	34
27	9·7936727	1590	10·2063273	9·8998271	2594	10·1001729	10·1061544	1004	9·8938456	33
28	9·7938317	1590	10·2061683	9·9000865	2594	10·0999135	10·1062548	1004	9·8937452	32
29	9·7939907	1589	10·2060093	9·9003459	2593	10·0996541	10·1063552	1004	9·8936448	31
30	9·7941496	1587	10·2058504	9·9006052	2593	10·0993948	10·1064556	1005	9·8935444	30
31	9·7943083	1587	10·2056917	9·9008645	2592	10:0991355	10·1065561	1006	9:8934439	29
32	9·7944670	1586	10·2055330	9·9011237	2593	10:0988763	10·1066567	1007	9:8933433	28
33	9·7946256	1585	10·2053744	9·9013830	2592	10:0986170	10·1067574	1007	9:8932426	27
34	9·7947841	1584	10·2052159	9·9016422	2591	10:0983578	10·1068581	1007	9:8931419	26
35	9·7949425	1583	10·2050575	9·9019013	2591	10:0980987	10·1069588	1008	9:8930412	25
36	9·7951008	1582	10°2048992	9·9021604	2591	10·0978396	10·1070596	1009	9·8929404	24
37	9·7952590	1581	10°2047410	9·9024195	2591	10·0975805	10·1071605	1010	9·8928395	23
38	9·7954171	1580	10°2045829	9·9026786	2590	10·0973214	10·1072615	1010	9·8927385	22
39	9·7955751	1579	10°2044249	9·9029376	2590	10·0970624	10·1073625	1010	9·8926375	21
40	9·7957330	1579	10°2042670	9·9031966	2589	10·0968034	10·1074635	1011	9·8925365	20
41	9·7958909	1577	10·2041091	9·9034555	2589	10·0965445	10·1075646	1012	9.8924354	19
42	9·7960486	1576	10·2039514	9·9037144	2589	10·0962856	10·1076658	1013	9.8923342	18
43	9·7962062	1576	10·2037938	9·9039733	• 2588	10·0960267	10·1077671	1013	9.8922329	17
44	9·7963638	1574	10·2036362	9·9042321	2589	10·0957679	10·1078684	1013	9.8921316	16
45	9·7965212	1574	10·2034788	9·9044910	2587	10·0955090	10·1079697	1014	9.8920303	15
46	9.7966786	1573	10°2033214	9·9047497	2588	10·0952503	10·1080711	1015	9·8919289	14
47	9.7968359	1571	10°2031641	9·9050085	2587	10·0949915	10·1081726	1016	9·8918274	13
48	9.7969930	1571	10°2030070	9·9052672	2587	10·0947328	10·1082742	1016	9·8917258	12
49	9.7971501	1570	10°2028499	9·9055259	2586	10·0944741	10·1083758	1016	9·8916242	11
50	9.7973071	1569	10°2026929	9·9057845	2586	10·0942155	10·1084774	1018	9·8915226	10
51	9·7974640	1568	10·2025360	9·9060431	2586	10·0939569	10·1085792	1017	9·8914208	9
52	9·7976208	1567	10·2023792	9·9063017	2586	10·0936983	10·1086809	1019	9·8913191	8
53	9·7977775	1566	10·2022225	9·9065603	2585	10·0934397	10·1087828	1019	9·8912172	7
54	9·7979341	1565	10·2020659	9·9068188	2585	10·0931812	10·1088847	1020	9·8911153	6
55	9·7980906	1564	10·2019094	9·9070773	2584	10·0929227	10·1089867	1020	9·8910133	5
56 57 58 59 60	9.7982470 9.7984034 9.7985596 9.7987158 9.7988718	1564 1562 1562 1560	10·2017530 10·2015966 10·2014404 10·2012842 10·2011282	9:9073357 9:9075941 9:9078525 9:9081109 9:9083692	2584 2584 2584 2583	10·0926643 10·0924059 10·0921475 10·0918891 10·0916308	10·1090887 10·1091908 10·1092929 10·1093951 10·1094974	1021 1021 1022 1023	9·8909113 9·8908092 9·8907071 9·8906049 9·8905026	1 0
1	Cesine	Diff.	Secant -	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	'
No.										

										1
1	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	
0	9.7988718	1560	10.2011282	9.9083692	0500	10.0916308	10.1094974	1023	9.8905026	ı
1	9.7990278		10.2009722	9.9086275	2583 2583	10.0913725	10.1095997	1023	9.8904003	1
2	9.7991836	1558 1558	10.2008164	9.9088858	2582	10.0911142	10.1097021	1024	9.8902979	ı
3	9.7993394	1557	10.2006606	9.9091440	2582	10.0908560	10.1098046	1025	9.8901954	1
4	9.7994951	1556	10.2005049	9.9094022	2581	10.0905978	10.1099071	1026	9.8900929	ı
5	9.7996507	1555	10.2003493	9.9096603	2582	10.0903397	10.1100097	1026	9.8899903	l
6	9·7998062 9·7999616	1554	10·2001938 10·2000384	9.9099185 9.9101766	2581	10.0900815	10·1101123 10·1102150	1027	9·8898877 9·8897850	1
8	9.8001169	1553	10.1998831	9.9101700	2581	10.0898234 10.0895653	10 1102130	1028	9.8896822	1
9	9.8002721	1552	10.1997279	9.9106927	2580	10.0893073	10.1104206	1028	9.8895794	ı
10	9.8004272	1551 1551	10.1995728	9.9109507	$2580 \\ 2580$	10.0890493	10.110233	$1029 \\ 1029$	9.8894765	
11	9.8005823	1549	10.1994177	9.9112087	2579	10.0887913	10.1106264	1030	9.8893736	1
12	9.8007372	1549	10.1992628	9.9114666	2579	10.0885334	10.1107294	1031	9.8892706	ł
13	9.8008921	1547	10.1991079	9.9117245	2579	10.0882755	10.1108325	1031	9.8891675	ı
14	9.8010468	1547	10.1989532	9.9119824	2579	10.0880176	10.1109356	1032	9.8890644	1
15	9.8012015	1546	10.1987985	9.9122403	2578	10:0877597	10.1110388	1032	9.8889612	ı
$\frac{16}{17}$	9·8013561 9·8015106	1545	10·1986439 10·1984894	9.9124981 9.9127559	2578	10.0875019 10.0872441	10·1111420 10·1112453	1033	9·8888580 9·8887547	1
18	9.8016649	1543	10.1983351	9.9130137	2578	10.0869863	10.1113487	1034	9.8886513	1
19	9.8018192	1543	10.1981808	9.9132714	2577	10.0867286	10.1114521	$1034 \\ 1035$	9.8885479	-
20	9.8019735	1543 1541	10.1980265	9.9135291	$\frac{2577}{2577}$	10.0864709	10.1115556	1036	9.8884444	1
$\frac{21}{22}$	9.8021276	1540	10.1978724	9.9137868	2576	10.0862132	10.1116592	1036	9.8883408	1
22 23	9.8022816	1539	10:1977184	9.9140444	2576	10.0859556	10:1117628	1037	9.8882372	1
24	9.8024355 9.8025894	1539	10·1975645 10·1974106	9·9143020 9·9145596	2576	10.0856980 10.0854404	10·1118665 10·1119702	1037	9·8881335 9·8880298	1
25	9.8027431	1537	10 1974100	9.9148171	2575	10 0851829	10.1119702	1038 1039	9.8879260	I
26	9.8028968	1537 1536	10.1971032	9.9150747	2576 2575	10.0849253	10.1121779	1039	9.8878221	-
27	9.8030504	1534	10.1969496	9.9153322	2575	10.0846678	10.1122818	1040	9.8877182	i
28	9.8032038	1534	10.1967962	9.9155896	2575	10.0844104	10.1123858	1040	9.8876142	1
29 30	9·8033572 9·8035105	1533	10·1966428 10·1964895	9·9158471 9·9161045	2574	10.0841529 10.0838955	10·1124898 10·1125939	1041	9·8875102 9·8874061	
31	9.8036637	1532	10.1963363	9.9163618	2573	10.0836382	10.1126981	1042	9.8873019	1
32	9.8038168	1531	10.1961832	9.9166192	2574	10.0833808	10.1128023	1042	9.8871977	1
33	9.8039699	1531 1529	10.1960301	9.9168765	2573	10.0831235	10.1129066	1043 1044	9.8870934	1
34	9.8041228	1529	10.1958772	9.9171338	$2573 \\ 2573$	10.0828662	10.1130110	1044	9.8869890	1
35	9.8042757	1527	10.1957243	9.9173911	2572	10.0826089	10.1131154	1045	9.8868846	
36	9.8044284	1527	10.1955716	9 9176483	2572	10.0823517	10.1132199	1045	9.8867801	1
37	9.8045811	1525	10.1954189	9 9179055	2572	10.0820945	10.1133244	1046	9.8866756	١
38 .	9.8047336	1525	10.1952664	9.9181627	2571	10.0818373	10.1134290	1047	9.8865710	ı
39 40	9·8048861 9·8050385	1524	10·1951139 10·1949615	9.9184198 9.9186769	2571	10.0815802 10.0813231	10·1135337 10·1136384	1047	9.8864663 9.8863616	١
41	9.8051908	1523	10.1948092	9.9189340	2571	10.0810660	10.1137432	1048	9.8862568	1
42	9.8053430	1522	10 1946570	9.9191911	2571	10.0808089	10.1138481	1049	9.8861519	1
43	9.8054951	1521	10.1945049	9.9194481	2570	10.0805519	10.1139530	1049	9.8860470	1
44	9.8056472	1521	10.1943528	9.9197051	2570	10.0802949	10.1140580	1050 1050	9.8859420	1
45	9.8057991	1519 1519	10.1942009	9.9199621	2570 2570	10.0800379	10.1141630	1051	9.8858370	
46	9.8059510	1517	10:1940490	9.9202191	2569	10.0797809	10.1142681	1052	9.8857319	
47	9.8061027	1517	10.1938973	9.9204760	2569	10.0795240	10:1143733	1052	9.8856267	1
48	9.8062544	1516	10:1937456	9.9207329	2569	10.0792671	10:1144785	1053	9.8855215	1
49 50	9.8064060 9.8065575	1515 1514	10·1935940 10·1934425	9·9209898 9·9212466	2568 2568	10.0790102 10.0787534	10·1145838 10·1146891	1053 1054	9.8854162 9.8853109	
51	9.8067089		10.1932911	9.9215034		10.0784966	10.1147945	1054	9.8852055	1
52	9.8068602	1513 1512	10.1931398	9.9217602	2568 2568	10.0782398	10.1149000	1055	9.8851000	1
53	9.8070114	1512	10.1929886	9 9220170	2567	10.0779830	10.1150055	1056	9.8849945	1
54	9.8071626	1510	10:1928374	9.9222737	2567	10.0777263 10.0774696	10:1151111	1057	9.8848889	-
55	9.8073136	1510	10:1926864	9.9225304	2567		10:1152168	1057	9.8847832	-
56 57	9.8074646 9.8076154	1508	10·1925354 10·1923846	9·9227871 9·9230437	2566	10·0772129 10·0769563	10.1153225 10.1154283	1058	9.8846775 9.8845717	1
58	9.8077662	1508	10.1923840	9.9233004	2567	10.0766996	10.1154283	1058	9.8844659	1
59	9.8079169	1507	10 1922333	9.9235570	2566	10.0764430	10.1156401	1060	9.8843599	1
60	9.8080675	1506	10.1919325	9.9238135	2565	10.0761865	10.1157460	1059	9.8842540	
	Cosine	Diff.			Diff.					1

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0	9·8080675	1505	10°1919325	9°9238135	2566	10.0761865	10°1157460	1061	9.8842540	60
1	9·8082180	1504	10°1917820	9°9240701	2565	10.0759299	10°1158521	1061	9.8841479	59
2	9·8083684	1504	10°1916316	9°9243266	2565	10.0756734	10°1159582	1061	9.8840418	58
3	9·8085188	1502	10°1914812	9°9245831	2565	10.0754169	10°1160643	1063	9.8839357	57
4	9·8086690	1502	10°1913310	9°9248396	2564	10.0751604	10°1161706	1062	9.8838294	56
5	9·8088192	1500	10°1911808	9°9250960	2564	10.0749040	10°1162768	1064	9.8837232	55
6	9·8089692	1500	10·1910308	9·9253524	2564	$\begin{array}{c} 10 \cdot 0746476 \\ 10 \cdot 0743912 \\ 10 \cdot 0741348 \\ 10 \cdot 0738785 \\ 10 \cdot 0736222 \end{array}$	10·1163832	1064	9.8836168	54
7	9·8091192	1499	10·1908808	9·9256088	2564		10·1164896	1065	9.8835104	53
8	9·8092691	1498	10·1907309	9·9258652	2563		10·1165961	1065	9.8834039	52
9	9·8094189	1497	10·1905811	9·9261215	2563		10·1167026	1066	9.8832974	51
10	9·8095686	1496	10·1904314	9·9263778	2563		10·1168092	1067	9.8831908	50
11 12 13 14 15	9·8097182 9·8098678 9·8100172 9·8101666 9·8103159	1496 1494 1494 1493 1491	10·1902818 10·1901322 10·1899828 10·1898334 10·1896841	9·9266341 9·9268904 9·9271466 9·9274028 9·9276590	2563 2562 2562 2562 2562	$\begin{array}{c} 10 \cdot 0733659 \\ 10 \cdot 0731096 \\ 10 \cdot 0728534 \\ 10 \cdot 0725972 \\ 10 \cdot 0723410 \end{array}$	$\begin{array}{c} 10 \cdot 1169159 \\ 10 \cdot 1170226 \\ 10 \cdot 1171294 \\ 10 \cdot 1172362 \\ 10 \cdot 1173432 \end{array}$	1067 1068 1068 1070 1069	9.8830841 9.8829774 9.8828706 9.8827638 9.8826568	49 48 47 46 45
16	9·8104650	1491	10·1895350	9·9279152	2561	10·0720848	10·1174501	1071	9.8825499	44
17	9·8106141	1490	10·1893859	9·9281713	2561	10·0718287	10·1175572	1071	9.8824428	43
18	9·8107631	1490	10·1892369	9·9284274	2561	10·0715726	10·1176643	1072	9.8823357	42
19	9·8109121	1488	10·1890879	9·9286835	2561	10·0713165	10·1177715	1072	9.8822285	41
20	9·8110609	1487	10·1889391	9·9289396	2560	10·0710604	10·1178787	1073	9.8821213	40
21	9·8112096	1487	10·1887904	9·9291956	2560	10·0708044	10·1179860	1073	9·8820140	39
22	9·8113583	1486	10·1886417	9·9294516	2560	10·0705484	10·1180933	1075	9·8819067	38
23	9·8115069	1485	10·1884931	9·9297076	2560	10·0702924	10·1182008	1074	9·8817992	37
24	9·8116554	1484	10·1883446	9·9299636	2559	10·0700364	10·1183082	1076	9·8816918	36
25	9·8118038	1483	10·1881962	9·9302195	2560	10·0697805	10·1184158	1076	9·8815842	35
26	9·8119521	1482	10·1880479	9·9304755	2559	10.0695245	10·1185234	1077	9.8814766	34
27	9·8121003	1481	10·1878997	9·9307314	2558	10.0692686	10·1186311	1077	9.8813689	33
28	9·8122484	1481	10·1877516	9·9309872	2559	10.0690128	10·1187388	1078	9.8812612	32
29	9·8123965	1479	10·1876035	9·9312431	2558	10.0687569	10·1188466	1079	9.8811534	31
30	9·8125444	1479	10·1874556	9·9314989	2558	10.0685011	10·1189545	1079	9.8810455	30
31	9·8126923	1478	10·1873077	9·9317547	2558	10.0682453	10·1190624	1080	9·8809376	29
32	9·8128401	1477	10·1871599	9·9320105	2557	10.0679895	10·1191704	1081	9·8808296	28
33	9·8129878	1476	10·1870122	9·9322662	2558	10.0677338	10·1192785	1081	9·8807215	27
34	9·8131354	1475	10·1868646	9·9325220	2557	10.0674780	10·1193866	1082	9·8806134	26
35	9·8132829	1474	10·1867171	9·9327777	2557	10.0672223	10·1194948	1082	9·8805052	25
36	9.8134303	1474	10·1865697	9·9330334	2556	10.0669666	10·1196030	1083	9·8803970	24
37	9.8135777	1473	10·1864223	9·9332890	2556	10.0667110	10·1197113	1084	9·8802887	23
38	9.8137250	1471	10·1862750	9·9335446	2557	10.0664554	10·1198197	1084	9·8801803	22
39	9.8138721	1471	10·1861279	9·9338003	2556	10.0661997	10·1199281	1085	9·8800719	21
40	9.8140192	1470	10·1859808	9·9340559	2555	10.0659441	10·1200366	1086	9·8799634	20
41	9·8141662	1469	10·1858338	9·9343114	2556	10.0656886	10·1201452	1086	9·8798548	19
42	9·8143131	1469	10·1856869	9·9345670	2555	10.0654330	10·1202538	1087	9·8797462	18
43	9·8144600	1467	10·1855400	9·9348225	2555	10.0651775	10·1203625	1088	9·8796375	17
44	9·8146067	1467	10·1853933	9·9350780	2555	10.0649220	10·1204713	1088	9·8795287	16
45	9·8147534	1465	10·1852466	9·9353335	2554	10.0646665	10·1205801	1089	9·8794199	15
46	9.8148999	1465	10·1851001	9:9355889	2555	10.0644111	10·1206890	1089	9·8793110	14
47	9.8150464	1464	10·1849536	9:9358444	2554	10.0641556	10·1207979	1091	9·8792021	13
48	9.8151928	1463	10·1848072	9:9360998	2554	10.0639002	10·1209070	1090	9·8790930	12
49	9.8153391	1463	10·1846609	9:9363552	2553	10.0636448	10·1210160	1092	9·8789840	11
50	9.8154854	1461	10·1845146	9:9366105	2554	10.0633895	10·1211252	1092	9·8788748	10
51	9·8156315	1461	10·1843685	9:9368659	2553	10.0631341	10·1212344	1093	9·8787656	9
52	9·8157776	1459	10·1842224	9:9371212	2553	10.0628788	10·1213437	1093	9·8786563	8
53	9·8159235	1459	10·1840765	9:9373765	2553	10.0626235	10·1214530	1094	9·8785470	7
54	9·8160694	1458	10·1839306	9:9376318	2553	10.0623682	10·1215624	1095	9·8784376	6
55	9·8162152	1457	10·1837848	9:9378871	2552	10.0621129	10·1216719	1095	9·8783281	5
56 57 58 59 30	9·8163609 9·8165066 9·8166521 9·8167975 9·8169429	1457 1455 1454	10·1836391 10·1834934 10·1833479 10·1832025 10·1830571	9·9381423 9·9383975 9·9386527 9·9389079 9·9391631	2552 2552 2552 2552	10.0618577 10.0616025 10.0613473 10.0610921 10.0608369	10·1217814 10·1218910 10·1220006 10·1221104 10·1222201	1096 1096 1098 1097	9.8782186 9.8781090 9.8779994 9.8778896 9.8777799	4 3 2 1 0
ľ	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	'
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Sine 9:8169429 9:8170882 9:817838 9:8178785 9:817685 9:817685 9:817685 9:818391 9:818391 9:818391 9:818391 9:818395 9:818925 9:818925 9:8199267 9:818925 9:8199267 9:8199267 9:8199269 9:819927 9:8199269 9:8199269 9:8199269 9:820696 9:8206927 9:820696 9:8206927 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696 9:820696	Diff. 1453 1452 1451 1450 14450 14446 14447 14445 14443 14449 14441 14440 1439 1438 1438 1438 1438 1438 1438 1438 1438	Cosec. 10.1830571 10.18329118 10.1827666 10.1826215 10.1824765 10.1824765 10.1823315 10.1821867 10.1821867 10.1814686 10.1813193 10.1814686 10.1813193 10.1810308 10.1807427 10.1807427 10.1805988 10.1804550 10.1803112 10.1803112 10.18798074 10.17988074 10.17988074 10.17988074 10.17988074 10.17988074 10.17988074 10.17988074 10.17988074 10.1798073 10.1794504 10.1793073 10.1791642 10.1788783 10.1788783 10.1788783	Tang. 9-9391631 9-9394182 9-939673 9-939673 9-9404385 9-9404385 9-9412336 9-9412336 9-9422782 9-942782 9-9427831 9-9428752 9-9442792 9-9442782 9-9442783 9-9442783 9-9442783 9-9442783 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-944283 9-946533	Diff. 25511 25511 25512 25501 25500 25500 25500 25549 25449 25449 25448 2547 25466 2547 25466 2547 25466 2547 25466 2547 25466 2547 25466 2547 25466	Cotang. 10 '0608369 10 '0605318 10 '0603267 10 '0609716 10 '0598165 10 '0598165 10 '0599064 10 '05893616 10 '0589361 10 '0587964 10 '0583416 10 '0577767 10 '0575218 10 '0577269 10 '0565024 10 '0565024 10 '0565928 10 '0557381 10 '0554834 10 '05552866 10 '0554834 10 '05552861 10 '05649739 10 '05447193 10 '05447193 10 '0544104 10 '0542100 10 '0538958	Secant 10·1222201 10·1222300 10·1223390 10·1225499 10·1225699 10·1227700 10·122802 10·1229904 10·1231007 10·1233111 10·1233215 10·1234320 10·1236532 10·1236532 10·1237639 10·1238747 10·1249064 10·124914064 10·124914061 10·12491401 10·12491401 10·1249518 10·1248744 10·1249518 10·1248747 10·1249518 10·1248747 10·1248744 10·1249518 10·1259088 10·12590873 10·12590873 10·12590873 10·1259088	Diff. 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1108 1109 1111 1110 1112 1112 1112 1113 1114 1115 1117	Cosine 9.8777799 9.8776700 9.8776701 9.8774501 9.8773401 9.8773401 9.8773401 9.877390 9.8767889 9.8766880 9.8764574 9.8763281 9.8761253 9.8761253 9.8759036 9.8755706 9.8755706 9.8755706 9.875536816 9.875536816 9.8751256 9.87552369 9.8751256 9.8754594 9.8754594 9.8754594 9.8754594 9.8754594 9.8754594 9.8754594 9.8754594 9.8754594 9.8749027 9.87449027	60 59 57 56 55 54 53 52 55 54 55 54 55 54 47 46 45 44 44 43 44 40 39 38 37 36 36 37 38 38 38 38 38 38 38 38 38 38
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9·8211217 9·8212646	$\frac{1429}{1429}$	10.1788783	9.9465539	2546		10.1253205			
9.8212646	1429						1116		
	4 407				10.0534461	10·1254321 10·1255439	1118	9·8745679 9·8744561	31
9.8214073	1427			2546	10.0531916		1118		
- 2511010	1427	10.1785927	9.9470630	2545	10.0529370	10.1256557	1118	9.8743443	29
9.8215500	1426	10.1784500	9.9473175	2545	10.0526825	10.1257675	1120	9.8742325	28
9.8216926	1425	10.1783074	9.9475720	2545	10.0524280	10.1258795	1120	9.8741205	27
9.8218351	1424	10.1781649	9.9478265	2545	10.0521735	10.1259915	1120	9.8740085	26
9.8219775	1423	10.1780225	9.9480810	2545	10.0519190	10.1261035	1121	9.8738965	25
9.8221198	1423	10.1778802	9.9483355	2544	10.0516645	10.1262156	1122	9.8737844	24
9.8222621	1421	10.1777379	9.9485899	2544	10.0514101	10.1263278	1123	9.8736722	23
9.8224042	1421	10.1775958	9.9488443	2544	10.0511557	10.1264401	1123	9.8735599	22
9.8225463	1420	10.1774537	9.9490987	2544	10.0509013	10.1265524	1124	9.8734476	21
9.8226883	1419	10.1773117	9.9493531	2544	10.0506469	10.1266648	1125	9.8733352	20
9.8228302	1419	10.1771698	9.9496075	2544	10.0503925	10.1267773	1125	9.8732227	19
9.8229721	1417	10.1770279	9.9498619	2543	10.0501381	10.1268898	1125	9.8731102	18
9.8231138	1417	10.1768862	9.9501162	2543	10.0498838	10.1270024	1127	9.8729976	17
9.8232555						10.1271151		9.8728849	16
9 8233971	1415	10.1766029	9'9506248	2543	10.0493752	10.1272278	1128	9.8727722	15
9.8235386		10.1764614	9.9508791		10.0491209	10.1273406		9.8726594	14
9.8236800		10.1763200	9.9511334		10.0488666	10.1274534		9.8725466	13
9.8238213		10.1761787	9.9513876		10.0486124	10.1275663		9.8724337	12
					10.0483581	10.1276793			11
9.8241037		10.1758963	9.9518961		10.0481039			9.8722076	10
9.8242448		10.1757552	9.9521503		10.0478497	10.1279055		9.8720945	9
9.8243858		10.1756142	9.9524045	2542	10 0475955	10.1280187		9.8719813	8
9.8245267				2541	10.0473413	10.1281319		9.8718681	7
	1407	10.1751917	9.99316/0	2541	10.0468330	10.1283586	1135	9.8716414	5
9.8249490		10.1750510	9.9534211		10.0465789	10.1284721		9.8715279	4
9.8250896		10.1749104	9.9536752		10.0463248	10.1285856		9.8714144	3
9.8252301		10.1747699	9.9539293		10.0460707	10.1286992		9.8713008	2
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	42 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff	Cosine	,
0 1 2 3 4 5	9·8255109 9·8256512 9·8257913 9·8259314 9·8260715 9·8262114	1403 1401 1401 1401 1399 1398	$\begin{array}{c} 10 \cdot 1744891 \\ 10 \cdot 1743488 \\ 10 \cdot 1742087 \\ 10 \cdot 1740686 \\ 10 \cdot 1739285 \\ 10 \cdot 1737886 \end{array}$	9:9544374 9:9546915 9:9549455 9:9551995 9:9554535 9:9557075	2541 2540 2540 2540 2540 2540	10°0455626 10°0453085 10°0450545 10°0448005 10°0445465 10°0442925	10·1289265 10·1290403 10·1291542 10·1292681 10·1293821 10·1294961	1138 1139 1139 1140 1140 1141	9·8710735 9·8709597 9·8708458 9·8707319 9·8706179 9·8705039	60 59 58 57 56 55
6 7 8 9 10	9·8263512 9·8264910 9·8266307 9·8267703 9·8269098	1398 1397 1396 1395 1395	10·1736488 10·1735090 10·1733693 10·1732297 10·1730902	9·9559615 9·9562154 9·9564694 9·9567233 9·9569772	2539 2540 2539 2539 2539	10.0440385 10.0437846 10.0435306 10.0432767 10.0430228	10·1296102 10·1297244 10·1298387 10·1299530 10·1300674	1142 1143 1143 1144 1144	9·8703898 9·8702756 9·8701613 9·8700470 9·8699326	54 53 52 51 50
11 12 13 14 15	9·8270493 9·8271887 9·8273279 9·8274671 9·8276063	1394 1392 1392 1392 1390	10·1729507 10·1728113 10·1726721 10·1725329 10·1723937	9·9572311 9·9574850 9·9577389 9·9579927 9·9582465	2539 2539 2538 2538 2539	10·0427689 10·0425150 10·0422611 10·0420073 10·0417535	10·1301818 10·1302963 10·1304109 10·1305256 10·1306403	1145 1146 1147 1147 1148	9.8698182 9.8697037 9.8695891 9.8694744 9.8693597	49 48 47 46 45
16 17 18 19 20	9.8277453 9.8278843 9.8280231 9.8281619 9.8283006	1390 1388 1388 1387 1387	10·1722547 10·1721157 10·1719769 10·1718381 10·1716994	9·9585004 9·9587542 9·9590080 9·9592618 9·9595155	2538 2538 2538 2537 2538	10·0414996 10·0412458 10·0409920 10·0407382 10·0404845	10·1307551 10·1308699 10·1309848 10·1310998 10·1312149	1148 1149 1150 1151 1151	9.8692449 9.8691301 9.8690152 9.8689002 9.8687851	44 43 42 41 40
21 22 23 24 25	9·8284393 9·8285778 9·8287163 9·8288547 9·8289930	1385 1385 1384 1383 1382	10·1715607 10·1714222 10·1712837 10·1711453 10·1710070	9·9597693 9·9600230 9·9602767 9·9605305 9·9607842	2537 2537 2538 2537 2536	10·0402307 10·0399770 10·0397233 10·0394695 10·0392158	10·1313300 10·1314452 10·1315604 10·1316758 10·1317912	1152 1152 1154 1154 1154	9.8686700 9.8685548 9.8684396 9.8683242 9.8682088	39 38 37 36 35
26 27 28 29 30	9·8291312 9·8292694 9·8294075 9·8295454 9·8296833	1382 1381 1379 1379 1379	10·1708688 10·1707306 10·1705925 10·1704546 10·1703167	9·9610378 9·9612915 9·9615452 9·9617988 9·9620525	2537 2537 2536 2537 2536	10.0389622 10.0387085 10.0384548 10.0382012 10.0379475	10·1319066 10·1320221 10·1321377 10·1322534 10·1323691	1155 1156 1157 1157 1158	9.8680934 9.8679779 9.8678623 9.8677466 9.8676309	34 33 32 31 30
31 32 33 34 35	9·8298212 9·8299589 9·8300966 9·8302342 9·8303717	1377 1377 1376 1375 1374	10·1701788 10·1700411 10·1699034 10·1696283	9 9623061 9 9625597 9 9628133 9 9630669 9 9633204	2536 2536 2536 2535 2536	10.0376939 10.0374403 10.0371867 10.0369331 10.0366796	10·1324849 10·1326008 10·1327167 10·1328327 10·1329488	1159 1159 1160 1161 1161	9·8675151 9·8673992 9·8672833 9·8671673 9·8670512	29 28 27 26 25
36 37 38 39 40	9·8305091 9·8306464 9·8307837 9·8309209 9·8310580	1373 1373 1372 1371 1370	10·1694900 10·1693536 10·1692163 10·1690791 10·1689420	9·9635740 9·9638275 9·9640811 9·9643346 9·9645881	2535 2536 2535 2535 2535	10.0364260 10.0361725 10.0359189 10.0356654 10.0354119	10·1330649 10·1331811 10·1332974 10·1334137 10·1335301	1162 1163 1163 1164 1165	9·8669351 9·8668189 9·8667026 9·8665863 9·8664699	24 23 22 21 20
41 42 43 44 45	9.8311950 9.8313320 9.8314688 9.8316056 9.8317423	1370 1368 1368	10·1688050 10·1686680 10·1685312 10·1683944 10·1682577	9:9648416 9:9650951 9:9653486 9:9656020 9:9658555	2535 2535 2534 2535 2534	10.0351584 10.0349049 10.0346514 10.0343980 10.0341445	10·1336466 10·1337631 10·1338797 10·1339964 10·1341132	1165 1166 1167 1168 1168	9·8663534 9·8662369 9·8661203 9·8660036 9·8658868	19 18 17 16 15
46 47 48 49 50	9.8320155 9.8321519 9.8322883	1366 1364 1364	10·1681211 10·1679845 10·1678481 10·1677117 10·1675754	9·9661089 9·9663623 9·9666157 9·9668692 9·9671225	2534 2534 2535 2533 2534	10·0338911 10·0336377 10·0333843 10·0331308 10·0328775	10·1342300 10·1343469 10·1344638 10·1345808 10·1346979	1169 1169 1170 1171 1172	9·8657700 9·8656531 9·8655362 9·8654192 9·8653021	14 13 12 11 10
51 52 53 54 55	9·8326970 9·8328331 9·8329691	1361 1361 1360	10.1668050	9·9673759 9·9676293 9·9678827 9·9681360 9·9683893	2534 2534 2533 2533 2534	10·0326241 10·0323707 10·0321173 10·0318640 10·0316107	10·1348151 10·1349323 10·1350496 10·1351669 10·1352844	1172 1173 1173 1175 1175	9·8651849 9·8650677 9·8649504 9·8648331 9·8647156	9 8 7 6 5
56 57 58 59 60	9.8333766 9.8335122 9.8336478	1358 1356 1356	10·1667592 10·1666234 10·1664878	9·9686427 9·9688960 9·9691493 9·9694026 9·9696559	2533 2533	10·0313573 10·0311040 10·0308507 10·0305974 10·0303441	10·1354019 10·1355194 10·1356371 10·1357548 10·1358725	1175 1177 1177 1177	9·8645981 9·8644806 9·8643629 9·8642452 9·8641275	4 3 2 1 0
1	Cosine	Diff	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	′

	43 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3 4 5	9:8337833 9:8339188 9:8340541 -9:8341894 9:8343246 9:8344597	1355 1353 1353 1352 1351 1351	10·1662167 10·1660812 10·1659459 10·1658106 10·1656754 10·1655403	9·9696559 9·9699091 9·9701624 9·9704157 9·9706689 9·9709221	2532 2533 2533 2532 2532 2532 2533	10.0303441 10.0300909 10.0298376 10.0295843 10.0293311 10.0290779	10·1358725 10·1359904 10·1361083 10·1362263 10·1363443 10·1364624	1179 1179 1180 1180 1181 1182	9·8641275 9·8640096 9·8638917 9·8637737 9·8636557 9·8635376	60 59 58 57 56 55
6 7 8. 9 10	9·8345948 9·8347297 9·8348646 9·8349994 9·8351341	1349 1349 1348 1347 1347	10·1654052 10·1652703 10·1651354 10·1650006 10·1648659	9·9711754 9·9714286 9·9716818 9·9719350 9·9721882	2532 2532 2532 2532 2532 2531	10.0288246 10.0285714 10.0283182 10.0280650 10.0278118	10·1365806 10·1366989 10·1368172 10·1369356 10·1370540	1183 1183 1184 1184 1186	9·8634194 9·8633011 9·8631828 9·8630644 9·8629460	54 53 52 51 50
11	9·8352688	1345	10·1647312	9·9724413	2532	10·0275587	10·1371726	1186	9·8628274	49
12	9·8354033	1345	10·1645967	9·9726945	2532	10·0273055	10·1372912	1186	9·8627088	48
13	9·8355378	1344	10·1644622	9·9729477	2531	10·0270523	10·1374098	1188	9·8625902	47
14	9·8356722	1344	10·1643278	9·9732008	2531	10·0267992	10·1375286	1188	9·8624714	46
15	9·8358066	1342	10·1641934	9·9734539	2532	10·0265461	10·1376474	1188	9·8623526	45
16	9.8359408	1342	10°1640592	9·9737071	2531	10.0262929	10·1377662	1190	9·8622338	44
17	9.8360750	1341	10°1639250	9·9739602	2531	10.0260398	10·1378852	1190	9·8621148	43
18	9.8362091	1340	10°1637909	9·9742133	2531	10.0257867	10·1380042	1191	9·8619958	42
19	9.8363431	1340	10°1636569	9·9744664	2531	10.0255336	10·1381233	1191	9·8618767	41
20	9.8364771	1338	10°1635229	9·9747195	2531	10.0252805	10·1382424	1193	9·8617576	40
21	9.8366109	1338	10·1633891	9·9749726	2531	10.0250274	10·1383617	1193	9·8616383	39
22	9.8367447	1337	10·1632553	9·9752257	2530	10.0247743	10·1384810	1193	9·8615190	38
23	9.8368784	1337	10·1631216	9·9754787	2531	10.0245213	10·1386003	1194	9·8613997	37
24	9.8370121	1335	10·1629879	9·9757318	2531	10.0242682	10·1387197	1195	9·8612803	36
25	9.8371456	1335	10·1628544	9·9759849	2530	10.0240151	10·1388392	1196	9·8611608	35
26	9·8372791	1334	10·1627209	9:9762379	2530	10.0237621	10·1389588	1197	9·8610412	34
27	9·8374125	1333	10·1625875	9:9764909	2531	10.0235091	10·1390785	1197	9·8609215	33
28	9·8375458	1332	10·1624542	9:9767440	2530	10.0232560	10·1391982	1197	9·8608018	32
29	9·8376790	1332	10·1623210	9:9769970	2530	10.0230030	10·1393179	1199	9·8606821	31
30	9·8378122	1331	10·1621878	9:9772500	2530	10.0227500	10·1394378	1199	9·8605622	30
31	9·8379453	1330	10·1620547	9·9775030	2530	10·0224970	10·1395577	1200	9·8604423	29
32	9·8380783	1329	10·1619217	9·9777560	2530	10·0222440	10·1396777	1201	9·8603223	28
33	9·8382112	1329	10·1617888	9·9780090	2530	10·0219910	10·1397978	1201	9·8602022	27
34	9·8383441	1328	10·1616559	9·9782620	2529	10·0217380	10·1399179	1202	9·8600821	26
35	9·8384769	1327	10·1615231	9·9785149	2530	10·0214851	10·1400381	1203	9·8599619	25
36	9.8386096	1326	10·1613904	9·9787679	2530	10.0212321	10·1401584	1203	9·8598416	24
37	9.8387422	1325	10·1612578	9·9790209	2529	10.0209791	10·1402787	1204	9·8597213	23
38	9.8388747	1325	10·1611253	9·9792738	2530	10.0207262	10·1403991	1205	9·8596009	22
39	9.8390072	1324	10·1609928	9·9795268	2529	10.0204732	10·1405196	1205	9·8594804	21
40	9.8391396	1323	10·1608604	9·9797797	2529	10.0202203	10·1406401	1206	9·8593599	20
41	9·8392719	1322	10·1607281	9:9800326	2530	10.0199674	10·1407607	1207	9·8592393	19
42	9·8394041	1322	10·1605959	9:9802856	2529	10.0197144	10·1408814	1208	9·8591186	18
43	9·8395363	1321	10·1604637	9:9805385	2529	10.0194615	10·1410022	1208	9·8589978	17
44	9·8396684	1320	10·1603316	9:9807914	2529	10.0192086	10·1411230	1209	9·8588770	16
45	9·8398004	1319	10·1601996	9:9810443	2529	10.0189557	10·1412439	1210	9·8587561	15
46 47 48 49 50	9.8399323 9.8400642 9.8401959 9.8403276 9.8404593	1319 1317 1317 1317 1315	10·1600677 10·1599358 10·1598041 10·1596724 10·1595407	9.9812972 9.9815501 9.9818030 9.9820559 9.9823087	2529 2529 2529 2528 2528 2529	10·0187028 10·0184499 10·0181970 10·0179441 10·0176913	10·1413649 10·1414859 10·1416071 10·1417282 10·1418495	1210 1212 1211 1213 1213	9·8586351 9·8585141 9·8583929 9·8582718 9·8581505	14 13 12 11 10
51	9.8405908	1315	10·1594092	9:9825616	2529	10·0174384	10·1419708	1214	9·8580292	9
52	9.8407223	1314	10·1592777	9:9828145	2528	10·0171855	10·1420922	1215	9·8579078	8
53	9.8408537	1313	10·1591463	9:9830673	2529	10·0169327	10·1422137	1215	9·8577863	7
54	9.8409850	1312	10·1590150	9:9833202	2528	10·0166798	10·1423352	1216	9·8576648	6
55	9.8411162	1312	10·1588838	9:9835730	2529	10·0164270	10·1424568	1217	9·8575432	5
56 57 58 59 60	9·8412474 9·8413785 9·8415095 9·8416404 9·8417713	1311 1310 1309 1309	10·1587526 10·1586215 10·1584905 10·1583596 10·1582287	9°9838259 9°9840787 9°9843315 9°9845844 9°9848372	2528 2528 2529 2528	10·0161741 10·0159213 10·0156685 10·0154156 10·0151628	10·1425785 10·1427002 10·1428221 10·1429439 10·1430659	1217 1219 1218 1220	9·8574215 9·8572998 9·8571779 9·8570561 9·8569341	3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	,

	44 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3 4 5	9·8417713 9·8419021 9·8420328 9·8421634 9·8422939 9·8424244	1308 1307 1306 1305 1305 1304	10·1582287 10·1580979 10·1579672 10·1578366 10·1577061 10·1575756	9·9848372 9·9850900 9·9853428 9·9855956 9·9858484 9·9861012	2528 2528 2528 2528 2528 2528 2528	10·0151628 10·0149100 10·0146572 10·0144044 10·0141516 10·0138988	10·1430659 10·1431879 10·1433100 10·1434322 10·1435545 10·1436768	1220 1221 1222 1223 1223 1224	9.8569341 9.8568121 9.8566900 9.8565678 9.8564455 9.8563232	60 59 58 57 56 55
6	9.8425548	1303	10·1574452	9·9863540	2528	10.0136460	10·1437992	1224	9.8562008	54
7	9.8426851	1303	10·1573149	9·9866068	2528	10.0133932	10·1439216	1226	9.8560784	53
8	9.8428154	1302	10·1571846	9·9868596	2527	10.0131404	10·1440442	1226	9.8559558	52
9	9.8429456	1301	10·1570544	9·9871123	2528	10.0128877	10·1441668	1226	9.8558332	51
10	9.8430757	1300	10·1569243	9·9873651	2528	10.0126349	10·1442894	1228	9.8557106	50
11	9·8432057	1299	10·1567943	9·9876179	2527	10·0123821	10·1444122	1228	9:8555878	49
12	9·8433356	1299	10·1566644	9·9878706	2528	10·0121294	10·1445350	1229	9:8554650	48
13	9·8434655	1298	10·1565345	9·9881234	2527	10·0118766	10·1446579	1229	9:8553421	47
14	9·8435953	1297	10·1564047	9·9883761	2528	10·0116239	10·1447808	1231	9:8552192	46
15	9·8437250	1297	10·1562750	9·9886289	2527	10·0113711	10·1449039	1231	9:8550961	45
16	9.8438547	1295	10·1561453	9·9888816	2528	10·0111184	10·1450270	1231	9·8549730	44
17	9.8439842	1295	10·1560158	9·9891344	2527	10·0108656	10·1451501	1233	9·8548499	43
18	9.8441137	1295	10·155863	9·9893871	2528	10·0106129	10·1452734	1233	9·8547266	42
19	9.8442432	1293	10·1557568	9·9896399	2527	10·0103601	10·1453967	1234	9·8546033	41
20	9.8443725	1293	10·1556275	9·9898926	2527	10·0101074	10·1455201	1235	9·8544799	40
21	9·8445018	1292	10·1554982	9·9901453	2528	10·0098547	10·1456436	1235	9·8543564	39
22	9·8446310	1291	10·1553690	9·9903981	2527	10·0096019	10·1457671	1236	9·8542329	38
23	9·8447601	1290	10·1552399	9·9906508	2527	10·0093492	10·1458907	1237	9·8541093	37
24	9·8448891	1290	10·1551109	9·9909035	2527	10·0090965	10·1460144	1237	9·8539856	36
25	9·8450181	1289	10·1549819	9·9911562	2527	10·0088438	10·1461381	1238	9·8538619	35
26	9.8451470	1288	10·1548530	9·9914089	2527	10·0085911	10·1462619	1239	9·8537381	34
27	9.8452758	1287	10·1547242	9·9916616	2527	10·0083384	10·1463858	1240	9·8536142	33
28	9.8454045	1287	10·1545955	9·9919143	2527	10·0080857	10·1465098	1240	9·8534902	32
29	9.8455332	1286	10·1544668	9·9921670	2527	10·0078330	10·1466338	1241	9·8533662	31
30	9.8456618	1285	10·1543382	9·9924197	2527	10·0075803	10·1467579	1242	9·8532421	30
31	9.8457903	1285	10·1542097	9·9926724	2527	10·0073276	10·1468821	1243	9·8531179	29
32	9.8459188	1283	10·1540812	9·9929251	2527	10·0070749	10·1470064	1243	9·8529936	28
33	9.8460471	1283	10·1539529	9·9931778	2527	10·0068222	10·1471307	1244	9·8528693	27
34	9.8461754	1282	10·1538246	9·9934305	2527	10·0065695	10·1472551	1245	9·8527449	26
35	9.8463036	1282	10·1536964	9·9936832	2527	10·0063168	10·1473796	1245	9·8526204	25
36	9.8464318	1281	10·1535682	9·9939359	2527	10.0060641	10·1475041	1246	9·8524959	24
37	9.8465599	1280	10·1534401	9·9941886	2527	10.0058114	10·1476287	1247	9·8523713	23
38	9.8466879	1279	10·1533121	9·9944413	2527	10.0055587	10·1477534	1248	9·8522466	22
39	9.8468158	1278	10·1531842	9·9946940	2526	10.0053060	10·1478782	1248	9·8521218	21
40	9.8469436	1278	10·1530564	9·9949466	2527	10.0050534	10·1480030	1249	9·8519970	20
41	9.8470714	1277	10·1529286	9·9951993	2527	10.0048007	10·1481279	1250	9·8518721	19
42	9.8471991	1276	10·1528009	9·9954520	2527	10.0045480	10·1482529	1251	9·8517471	18
43	9.8473267	1276	10·1526733	9·9957047	2526	10.0042953	10·1483780	1251	9·8516220	17
44	9.8474543	1274	10·1525457	9·9959573	2527	10.0040427	10·1485031	1252	9·8514969	16
45	9.8475817	1274	10·1524183	9·9962100	2527	10.0037900	10·1486283	1252	9·8513717	15
46 47 48 49 50	9.8477091 9.8478365 9.8479637 9.8480909 9.8482180	1274 1272 1272 1271 1270	10·1522909 10·1521635 10·1520363 10·1519091 10·1517820	9 ·9964627 9 ·9967154 9 ·9969680 9 ·9972207 9 ·9974734	2527 2526 2527 2527 2527 2526	10·0035373 10·0032846 10·0030320 10·0027793 10·0025266	10·1487535 10·1488789 10·1490043 10·1491298 10·1492554	1254 1254 1255 1256 1256	9·8512465 9·8511211 9·8509957 9·8508702 9·8507446	14 13 12 11 10
51	9.8483450	1270	10·1516550	9:9977260	2527	10.0022740	10·1493810	1257	9·8506190	9
52	9.8484720	1269	10·1515280	9:9979787	2527	10.0020213	10·1495067	1258	9·8504933	8
53	9.8485989	1268	10·1514011	9:9982314	2526	10.0017686	10·1496325	1258	9·8503675	7
54	9.8487257	1267	10·1512743	9:9984840	2527	10.0015160	10·1497583	1260	9·8502417	6
55	9.8488524	1267	10·1511476	9:9987367	2526	10.0012633	10·1498843	1260	9·8501157	5
56 57 58 59 60	9.8489791 9.8491057 9.8492322 9.8493586 9.8494850	1266 1265 1264 1264	10·1510209 10·1508943 10·1507678 10·1506414 10·1505150	9.9989893 9.9992420 9.9994947 9.9997473 10.0000000	2527 2527 2526 2527	10.0010107 10.0007580 10.0005053 10.0002527 10.0000000	10·1500103 10·1501363 10·1502625 10·1503887 10·1505150	1260 1262 1262 1263	9·8499897 9·8498637 9·8497375 9·8496113 9·8494850	4 3 2 1 0
_	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	′

 ${\bf TABLE~OF~THE~ANGLES}$ which every Point and Quarter-Point of the Compass makes with the Meridian.

NOR	TH.	Points.	۰	,	"	Points.	sou	TH.
		$0\frac{1}{4}$ $0\frac{1}{2}$ $0\frac{1}{4}$	2 5 8	48 37 26	45 30 15	$0\frac{1}{4}$ $0\frac{1}{2}$ $0\frac{1}{4}$		
N. by E	N. by W	$egin{array}{cccccccccccccccccccccccccccccccccccc$	11 14 16 19	15 3 52 41	0 45 30 15	1 14 12 12	S. by E	S. by W
N.N.E	N.N.W	2 21 21 22	22 25 28 30	30 18 7 56	0 45 30 15	$\begin{array}{c} \dots 2 \\ \dots 2\frac{1}{4} \\ \dots 2\frac{1}{2} \\ \dots 2\frac{1}{4} \end{array}$	S.S.E	s.s.w
N.E. by N	N.W. by N.	3 31 32 33	33 36 39 42	45 33 22 11	0 45 30 15	31 31 31 32	S.E. by S	S.W. by S
N.E	N.W	4 4 4 4 4	45 47 50 53	0 48 37 26	0 45 30 15	4 4\frac{1}{4}	S.E	s.w
N.E. by E	N.W. by W.	5 5½ 5½	56 59 61 64	15 3 52 41	0 45 30 15	5 54 5½ 54	S.E. by E	S.W. by W
E.N.E	W.N.W	664 6½ 6½	67 70 73 75	30 18 7 56	0 45 30 15	6 61 62 63	E.S E	W.S.W
E. by N	W. by N	7 71 75 74	78 81 84 87	45 33 22 11	0 45 30 15	71 71 71 71 71 71 71 71	E. by S	W. by S
East	West	8	90	0	0	8	East	West

LOGARITHMIC SINES, TANGENTS, AND SECANTS, to every Point and Quarter-Point of the Compass.

Points.	Sine.	Cosine.	Tangent.	Cotangent.	Secant.	Cosecant.	Points.
0	Infin. Neg.	10.0000000	Infin. Neg.	Infinite.	10.0000000	Infinite.	8
01	8.6907955	9 9994766	8.6913189	11:3086811	10.0005234	11.3092045	74 74
01 01	8 9913020	9.9979037	8.9933983	- 11.0066017	10.0020963	11.0086980	7 1
03	9.1665203	9.9952738	9.1712465	10.8287535	10.0047262	10.8334797	71
1	9.2902357	9.9915739	9.2986618	10.7013382	10.0084261	10.7097643	7
11	9.3855708	9.9867857	9.3987851	10.6012149	10.0132143	10.6144292	63
11/2	9.4628241	9.9808849	9.4819393	10.5180607	10.0191151	10.5371759	63 63
11 11 12	9.5274879	9.9738407	9.5536473	10.4463527	10.0261593	10.4725121	61
2	9.5828397	9.9656153	9.6172243	10.3827757	10.0343847	10.4171603	6
2 21 21 21	9.6309921	9.9561633	9.6748288	10.3251712	10.0438367	10.3690079	54
21	9.6733866	9.9454298	9.7279568	10.2720432	10.0545702	10.3266134	5
24	9.7110499	9.9333499	9.7777000	10.2223000	10.0666501	10.2889501	51
3	9.7447390	9.9198464	9.8248926	10.1751074	10.0801536	10.2552610	5
3 31 31 32 33	9.7750271	9.9048278	9.8701993	10.1298007	10.0951722	10.2249729	43
3 <u>£</u>	9.8023586	9.8881854	9.9141732	10.0858268	10.1118146	10.1976414	4
33	9.8270841	9.8697896	9.9572946	10.0427054	10.1302104	10.1729159	41
4	9.8494850	9.8494850	10.0000000	10.0000000	10.1505150	10.1505150	4
-	Cosine.	Sine.	Cotangent.	Tangent.	Cosecant.	Secant.	

AREAS OF THE SEGMENTS OF A CIRCLE,

THE DIAMETER OF WHICH IS UNITY,

AND SUPPOSED TO BE DIVIDED INTO 1000 EQUAL PARTS.

		1		ī		1			
Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.
.001	.000042	.046	.012971	.091	.035586	•136	.064074	.181	.096904
.002	.000119	*047	013393	092	036162	137	064761	182	097675
*003	000113	.048	013333	-093	036742	138	065449	183	098447
1004	.000337	.049	013313	•094	037324	139	066140	184	099221
*005	000337	•050	014681	.095	037909	135	*066833	185	099997
000	000471	030	014001	033	001000	140	000000	100	000001
•006	.000619	.051	.015119	.096	038497	-141	.067528	.186	100774
*007	.000779	*052	.015561	.097	039087	.142	.068225	.187	101553
*008	.000952	.053	.016008	098	039681	143	.068924	188	·102334
•009	.001135	*054	·016458	.099	.040277	.144	.069626	189	.103116
.010	.001329	*055	016912	·100	040875	.145	070329	·190	103900
.011	001533	.056	017369	.101	041477	.146	071034	191	104686
*012	.001746	.057	017831	102	042081	.147	071741	192	105472
.013	*001969	.058	018297	.103	·042687	148	·072450	193	106261
.014	.002199	059	.018766	104	.043296	.149	.073162	.194	107051
.015	·002438	.060	019239	.105	·043908	.150	·073875	·195	107843
*016	.002685	.061	019716	·106	.044523	151	.074590	.196	108636
.017	.002940	062	020197	107	045140	152	075307	197	109431
.018	003202	-063	020681	108	045759	153	076026	198	110227
.019	.003472	'064	021168	109	046381	154	076747	199	111025
.020	.003749	*065	021660	110	.047006	155	077470	200	111824
020	000,10	"	-		,	100	011110	1 200	111021
021	.004032	•066	.022155	.111	.047633	.156	.078194	.201	112625
022	.004322	.067	.022653	.112	.048262	.157	·078921	.202	·113427
*023 *024	.004619	•068	·023155	.113	·048894	158	.079650	.203	.114231
.024	.004922	•069	.023660	.114	.049529	.159	.080380	-204	·115036
*025	005231	.070	024168	115	·050165	.160	081112	.205	115842
*000	.005546	+0771	*004.000	.110	-050005	-101	-001045	-200	-110051
*026 *027	005867	·071 ·072	·024680 ·025196	·116 ·117	050805	161	*081847	*206	116651
027	006194	1072			051446	·162 ·163	*082582	·207 ·208	117460
	006527	.073	025714	118	052090		*083320		118271
*029 *030	006866	·074 ·075	·026236 ·026761	·119 ·120	·052737 ·053385	·164 ·165	*084060 *084801	·209 ·210	119083
.090	000000	-0/3	020701	120	000000	100	034801	-210	119898
.031	.007209	-076	027290	·121	·054037	•166	085545	-211	120713
.032	007559	-077	.027821	122	054690	.167	086290	.212	121530
.033	.007913	078	028356	123	.055346	168	.087037	213	122348
*034	.008273	.079	028894	124	.056004	.169	.087785	.214	123167
*035	.008638	.080	.029435	125	056664	.170	*088536	.215	123988

.036	*009008	•081	029979	.126	.057327	.171	089288	.216	124811
-037	009383	.082	030526	127	.057991	.172	*090042	.217	125634
.038	.009763	*083	.031077	128	.058658	173	090797	*218	126459
.039	*010148	*084	.031630	129	.059328	174	091555	219	127286
*040	·010538	·085	·032186	.130	·059999	175	·092314	*220	·128114
.041	.010932	.086	.032746	.131	.060673	·176	*093074	-221	·128943
.042	.011331	087	033308	132	061349	177	093837	-222	129773
.043	.011734	.088	033873	133	062027	178	094601	223	130605
.044	012142	.089	034441	134	062707	179	095367	•224	131438
.045	012555	.090	035012	•135	063389	180	096135	.225	132273
7			-						
		1		<u> </u>					
10.0									940

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	Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.
1							-			
	*226	·133109	*281	·180918	.336	231689	•391	*284569	*446	338804
1	.227	·133946	.282	·181818	*337	·232634	*392	285545	•447	339799
	228	134784	283	182718	.338	233580	.393	·286521	*448	·340793
	220	·135624	•284	183619	•339	*234526	*394	287499	•449	*341788
	.230	136465	*285	184522	*340	235473	*395	288476	'4 50	342783
		******	200	****						
	·231 ·232	·137307 ·138151	·286 ·287	·185425 ·186329	*341 *342	·236421 ·237369	*396 *397	·289454 ·290432	451	*343778
	233	·138996	288	187235	*343	238319	398	291411	·452 ·453	344773
	234	139842	289	188141	'344	239268	399	292390	454	*345768 *346764
1	235	140689	290	189048	*345	240219	400	293370	455	347760
	200				010		1	2000,0	100	011100
	.236	·141538	-291	189956	*346	241170	•401	294350	•456	*348756
	.237	·142388	.292	·190865	*347	.242122	.402	295330	.457	*349752
	·238	·143239	*293	191774	*348	.243074	•403	·296311	*458	350749
	•239	·144091	294	·192685	*349	244027	*404	·297292	*459	351745
	.240	·144945	*295	·193597	*350	·244980	*405	298274	*460	352742
	.241	·145800	•296	104500	-054	·245935	*406	-000070	.401	.050500
	·241	146655	296	·194509 ·195423	*351 *352	246890	406	·299256 ·300238	·461 ·462	·353739 ·354736
	242	·147513	298	196337	353	247845	408	301221	463	355733
	244	148371	299	197252	*354 *	248801	*409	302204	•464	356730
	245	149231	•300	198168	*355	249758	•410	303187	*465	357728
1	210	110201	500	100100	000	210,00	110	000101	100	501120
	.246	·150091	•301	·199085	*356	250715	·411	304171	*466	*358725
	.247	·150953	*302	*200003	*357	·251673	.412	*305156	*467	359723
	·248	·151816	*303	·200922	.358	252632	.413	306140	*468	360721
	.249	·152681	*304	201841	•359	·253591	*414	*307125	•469	·361719
	•250	·153546	*305	202762	.360	254551	*415	*308110	·470	362717
	.251	154413	*306	*203683	361	*255511	•416	*309096	.471	363715
1	251	155281	307	203005	362	256472	.417	310082	472	364714
	252	156149	.308	205528	363	257433	418	*311068	473	365712
	254	157019	•309	206452	*364	258395	419	*312055	474	366711
	255	157891	310	207376	*365	*259358	.420	313042	.475	367710
l										
	256	158763	·311	·208302	.366	·260321	·421	·314029	.476	·368708
	257	·159636	·312	·209228	*367	·261285	•422	315017	·477	*369707
	258	160511	*313	·210155	*368	262249	423	*316005	·478	370706
	.259	.161386	*314	.211083	•369	263214	•424	·316993	.479	371705
	•260	·162263	*315	·212011	·370	264179	· 4 25	*317981	·480	372704
	-261	·163141	.316	212941	•371	265145	·426	318970	•481	*373704
	262	164020	317	213871	372	266111	427	*319959	*482	374703
1	263	164900	318	214802	•373	267078	•428	320949	•483	375702
	.264	165781	•319	*215734	.374	*268046	•429	*321938	*484	376702
	265	1 66663	*320	·216666	.375	269014	•430	322928	*485	*377701
	-000	A 077 10	.00-	-Ozbeco	.070	.000000	1104	*00004.0	.400	*O#O#O*
	*266	167546	*321	217600	376	*269982	'431	323919	*486	378701
	·267 ·268	·168431 ·169316	*322 *323	218534	377	·270951 ·271921	·432 ·433	*324909 *325900	·487 ·488	·379701 ·380700
	269	170202	*324	·219469 ·220404	·378 ·379	271921	•434	*326891	489	381700
	209	171090	*325	221341	*380	273861	435	*327883	489	382700
	210	1,1000	020	221011	900	210001	100	021000	400	002100
	.271	171978	*326	222278	. 381	*274832	.436	328874	•491	383700
1	.272	·172868	*327	223216	*382	275804	*437	*329866	.492	*384699
	273	173758	.328	224154	*383	276776	. 438	330858	•493	*385699
	274	174650	*329	*225094	*384	277748	*439	*331851	*494	*386699
	•275	175542	.330	*226034	*385	278721	440	*332843	•495	387699
1	276	176436	*331	226974	*386	279695	•441	*333836	•496	*388699
	.277	177330	.332	227916	*387	280669	442	*334829	•497	*389699
1	•278	178226	*333	228858	*388	281643	•443	*335823	•498	*390699
-	.279	179122	*334	·229801	*389	*282618	.444	*336816	•499	•391699
	280	180020	*335	230745	.390	283593	•445	337810	•500	·39269 9

,	0 °	1°	2°	3°	4 °	5 °	6°	7°	"	
0	.00000000	.0174533	.0349066	.0523599	.0698132	.0872665	1047198	1221730	0	.00000000
1	.0002909	0177442	.0351975	.0526508	.0701041	.0875574	·1050106	1224639	1	.0000048
2	.0005818	·0180351	.0354884	0529417	.0703949	.0878482	·1053015	1227548	2	.0000097
3	0008727	0183260	0357792	.0532325	0706858	.0881391	1055924	1230457	3	0000145
4	*0011636	*0186168	.0360701	0535234	0709767	0884300	1058833	1233366	4	·0000194 ·0000242
5	·0014544	.0189077	.0363610	.0538143	.0712676	·0887209	·1061742	·1236275	5	1
6	0017453	.0191986	0366519	0541052	0715585	0890118	1064651	1239184	6	.0000291
7 8	*0020362 *0023271	·0194895 ·0197804	·0369428 ·0372337	·0543961 ·0546870	·0718494 ·0721403	·0893027 ·0895936	·1067560 ·1070469	·1242093 ·1245002	7 8	·0000339 ·0000388
9	0023271	0200713	0375246	0549779	0721403	0898845	1070409	1247910	9	0000338
10	0029089	0203621	.0378155	0552688	0727221	0901753	1076286	1250819	10	0000485
11	.0031998	.0206531	.0381064	.0555596	.0730129	.0904662	1079195	1253728	11	.0000533
12	0034907	0200001	0383972	.0558505	0733038	0907571	1082104	1256637	12	.0000582
13	.0037815	.0212348	.0386881	.0561414	.0735947	.0910480	.1085013	1259546	13	.0000630
14	.0040724	.0215257	.0389790	·0564323	·0738856	·0913389	·1087922	·1262455	14	.0000679
15	.0043633	.0218166	·0392699	·0567232	0741765	·0916298	·1090831	·1265364	15	.0000727
16	.0046542	.0221075	.0395608	.0570141	0744674	·0919207	1093740	1268273	16	.0000776
17	0049451	0223984	0398517	0573050	0747583	0922116	1096649	1271181	17	0000824
18	*0052360	·0226893 ·0229802	·0401426 ·0404335	0575959	.0750492	*0925025	1099557	1274090	18	0000873
19 20	·0055269 ·0058178	0229802	0404333	·0578868 ·0581776	·0753400 ·0756309	·0927933 ·0930842	·1102466 ·1105375	·1276999 ·1279908	19 20	·0000921 ·0000970
								-	1 1	
21	*0061087	·0235619 ·0238528	·0410152 ·0413061	·0584685 ·0587594	0759218	0933751	1108284	1282817	21 22	.0001018 .0001067
22 23	*0063995 *0066904	0238528	0415001	0590503	·0762127 ·0765036	*0936660 *0939569	·1111193 ·1114102	·1285726 ·1288635	23	0001067
24	0069813	0244346	0418879	0593412	0767945	0942478	1117011	1291544	24	0001164
25	.0072722	0247255	.0421788	0596321	0770854	0945387	1119920	1294453	25	.0001212
26	.0075631	.0250164	.0424697	.0599230	.0773763	.0948296	1122828	1297361	26	.0001261
27	.0078540	.0253073	.0427606	.0602139	.0776672	0951204	1125737	1300270	27	.0001309
28	.0081449	0255982	.04 30515	.0605047	·0779580	.0954113	·1128646	1303179	28	.0001357
29	.0084358	.0258891	.0433423	0607956	0782489	0957022	·1131555	1306088	29	0001406
30	.0087266	0261799	·0436332	·0610865	.0785398	.0959931	·1134464	1308997	30	·0001454
31	.0090175	0264708	.0439241	.0613774	.0788307	0962840	·1137373	·1311906	31	.0001503
32	.0093084	0267617	.0442150	.0616683	0791216	.0965749	1140282	·1314815	32	0001551
33 34	*0095993 *0098902	·0270526 ·0273435	·0445059 ·0447968	·0619592 ·0622501	·0794125 ·0797034	·0968658 ·0971567	·1143191 ·1146100	1317724	33 34	.0001600 .0001648
35	0098902	0276344	0447303	0625410	0797034	0974475	1149100	·1320632 ·1323541	35	0001697
90	0104720	.0279253	.0453786	.0628319	0802851	0977384	1151917	1326450	36	.0001745
36	0104720	0279255	0456694	0631227	0802831	0977384	1151917	1329359	37	0001745
38	0110538	.0285070	0459603	.0634136	0808669	0983202	1157735	1332268	38	0001134
39	.0113446	.0287979	.0462512	.0637045	.0811578	.0986111	1160644	1335177	39	.0001891
40	'0116355	·0290888	·0465421	·0639954	0814487	·0989020	·1163553	1338086	40	.0001939
41	.0119264	.0293797	·0468330	.0642863	·0817396	.0991929	·1166462	1340995	41	.0001988
42	0122173	.0296706	.0471239	.0645772	*0820305	0994838	1169371	1343904	42	.0002036
43	0125082	0299615	0474148	·0648681	0823214	1000055	1172279	1346812	43	*0002085 *0002133
44	*0127991 *0130900	·0302524 ·0305433	·0477057 ·0479966	.0651590 .0654498	.0826123 .0829031	·1000655 ·1003564	·1175188 ·1178097	·1349721 ·1352630	44 45	*0002133
									١.	
46	0133809	*0308342 *0311250	·0482874 ·0485783	*0657407 *0660316	.0831940	*1006473 *1009382	1181006	1355539	46	·0002230 ·0002279
47 48	*0136717 *0139626	0311250	*0485783 *0488692	*0660316 *0663225	·0834849 ·0837758	1009382	·1183915 ·1186824	·1358448 ·1361357	47	0002279
49	0133020	0314159	0491601	0666134	0840667	1012231	1189733	1364266	49	0002327
50	*0145444	.0319977	.0494510	.0669043	0843576	1018109	1192642	1367175	50	0002424
51	.0148353	.0322886	.0497419	.0671952	.0846485	·1021018	·1195551	1370083	51	.0002473
52	*0151262	.0325795	.0500328	.0674861	·0849394	·1023926	·1198459	1372992	52	.0002521
53	0154171	0328704	0503237	*0677770	*0852302	1026835	1201368	1375901	53	0002570
54 55	·0157080 ·0159989	·0331613 ·0334521	*0506145 *0509054	*0680678 *0683587	.0855211 .0858120	·1029744 ·1032653	·1204277 ·1207186	·1378810 ·1381719	54 55	*0002618 *0002666
1									1	
56	*0162897 *0165806	·0337430 ·0340339	·0511963 ·0514872	*0686496 *0689405	*0861029 *0863938	1035562	·1210095 ·1213004	·1384628 ·1387537	56	0002715
57 58	0165806	0340339	0514872	0689405	0866847	·1038471 ·1041380	1215004	1387537	57 58	·0002763 ·0002812
59	0103713	0346157	0520690	0695233	0869756	1041380	1218822	1393355	59	0002812
60	0174533	0349066	0523599		.0872665	1047198	1221730	1396263	60	0002909
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	,	8°	9°	10°	11°	12°	13°	14°	15°	"	
İ	0	1396263	1570796	1745329	1919862	2094395	·2268928	.2443461	2617994	0	.00000000
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42	*7103490	*7278023	`7452556	·7627089	·7801622	·7976155	*8150688	·8325220	42	**002086
43	*7106399	*7280932	`7455465	·7629998	·7804531	·7979064	*8153596	·8328129	43	**002085
44	*7109308	*7283841	`7458374	·7632907	·7807439	·7981972	*8156505	·8331038	44	**0002133
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46	*7115126	·7289659	·7464191	·7638724	·7813257	·7987790	·8162323	·8336856	46	·0002230
47	*7118034	·7292567	·7467100	·7641633	·7816166	·7990699	·8165232	·8339765	47	·0002279
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7	8397943	·8572476 ·8575384	·8747008 ·8749917	8921541 8924450	9096074 9098983	·9270607 ·9273516	9445140 9448049	9619673 9622582	8	0000339
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ĺ		-050/111	-0770044	*00001 <i>TT</i>	.0107710	-0000040	-DAECTEC	9631309	11	.0000533
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13	8415396	8589929	8764462	·8938995	9113528	9288061	9462593	9637126	13	.0000630
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33	*8473574	8648106	*8822639	·8997172 ·9000081	9171705	9346238	·9520771 ·9523680	·9695304 ·9698213	33 34	*0001600 *0001648
34 35	*8476482 *8479391	·8651015 ·8653924	*8825548 *8828457	9000081	·9174614 ·9177523	*9349147 *9352056	9523680	9701122	35	*0001697
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41 42	*8496845 *\$499753	·8671378 ·8674286	·8845910 ·8848819	9020443 9023352	·9194976 ·9197885	9369509 9372418	9544042 9546951	·9718575 ·9721484	41 42	0001988
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54 55	*8534660 *8537569	·8709193 ·8712102	*8883726 *8886635	9058259 9061168	·9232792 ·9235701	·9407325 ·9410234	*9581858 *9584766	·9756391 ·9759299	54 55	0002618 0002666
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58 59	*8546296 *8549204	*8720828 *8723737	*8895361 *8898270	9069894 9072803	·9244427 ·9247336	·9418960 ·9421869	·9593493 ·9596402	*9768026 *9770935	58 59	0002812
60	*8552113	8726646	8901179	9075712		9424778	9599311	9773844	60	·0002909
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6 7	9791297	*9965830	1.0140363	1.0314896	1.0489429	1.0663962	1.0838495	6	.0000291
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27	9852384	1.0026917	1.0201449	1.0375982	1.0550515	1.0725048	1.0899581	27	.0001309
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37 38	·9881472 ·9884381	1.0056005 1.0058914	1.0230538 1.0233447	1.0405071	1.0579604	1.0754137	1.0928670	37	0001794
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49 50	*9916379 *9919288	1.0090912 1.0093821	1.0265445 1.0268354	1.0439978 1.0442887	1.0614511	1.0789044 1.0791953	1.0963577 1.0966485	49 50	·0002376 ·0002424
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6	1·1013028 1·1015936	1·1187561 1·1190469	1·1362093 1·1365002	1·1536626 1·1539535	1·1711159 1·1714068	1·1885692 1·1888601	1.2060225 1.2063134	7	*0000291 *0000339
8	1.1013330	1.1193378	1.1367911	1.1542444	1.1716977	1.1891510	1.2066043	8	.0000388
9	1.1021754	1.1196287	1.1370820	1.1545353	1.1719886	1.1894419	1.2068952	9	.0000436
10	1.1024663	1.1199196	1.1373729	1.1548262	1.1722795	1.1897328	1.2071861	10	.0000485
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12	1.1030481	1.1205014	1.1379547	1.1554080	1.1728613	1.1903145	1.2077678	12	*0000582
13	1·10 33390	1.1207923	1.1382456	1.1556989	1.1731521	1.1906054	1.2080587	13	.0000630
14	1.1036299	1.1210832	1.1385364	1.1559897	1.1734430	1.1908963	1.2083496	14	*0000679
15	1.1039208	1.1213740	1.1388273	1.1562806	1.1737339	1.1911872	1.2086405	15	.0000727
16	1.1042116	1.1216649	1.1391182	1.1565715	1.1740248	1.1914781	1.2089314	16	.0000776
17 18	1·1045025 1·1047934	1·1219558 1·1222467	1·1394091 1·1397000	1.1568624	1.1743157	1.1917690	1·2092223 1·2095132	17 18	·0000824 ·0000873
19	1.1050843	1.1225376	1.1397000	1·1571533 1·1574442	1·1746066 1·1748975	1·1920599 1·1923508	1.2098041	19	0000873
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21 22	1·1056661 1·1059570	1·1231194 1·1234103	1·1405727 1·1408636	1·1580260 1·1583168	1.1754793	1·1929325 1·1932234	1·2103858 1·2106767	22	·0001018 ·0001067
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25	1.1068296	1.1242829	1.1417362	1.1591895	1.1766428	1.1940961	1 2115494	25	·0001212
26	1.1071205	1.1245738	1.1420271	1.1594804	1.1769337	1.1943870	1.2118403	26	*0001261
27	1.1074114	1.1248647	1.1423180	1.1597713	1.1772246	1.1946779	1 2121312	27	·0001309
28	1.1077023	1.1251556	1.1426089	1.1600622	1.1775155	1 1949688	1.2124221	28	.0001357
29	1·1079932 1·1082841	1·1254465 1·1257374	1·1428998 1·1431907	1·1603531 1·1606440	1·1778064 1·1780972	1·1952596 1·1955505	1·2127129 1·2130038	29 30	*0001406 *0001454
-									
31 32	1·1085750 1·1088659	1·1260283 1·1263191	1·1434815 1·1437724	1.1609348	1·1783881 1·1786790	1·1958414 1·1961323	1·2132947 1·2135856	31 32	·0001503 ·0001551
33	1.1091567	1.1266100	1 1437724	1·1612257 1·1615166	1.1789699	1.1964232	1.2138765	33	.0001600
34	1.1094476	1.1269009	1.1443542	1.1618075	1.1792608	1.1967141	1.2141674	34	.0001648
35	1.1097385	1.1271918	1.1446451	1.1620984	1.1795517	1.1970050	1.2144583	35	.0001697
36	1.1100294	1.1274827	1.1449360	1.1623893	1.1798426	1.1972959	1.2147492	36	.0001745
37	1.1103203	1.1277736	1.1452269	1.1626802	1.1801335	1.1975868	1.2150400	37	.0001794
38	1.1106112	1.1280645	1 1455178	1.1629711	1.1804244	1.1978776	1.2153309	38	.0001842
39 40	1.1109021	1.1283554	1.1458087	1.1632619	1.1807152	1.1981685	1.2156218	39	.0001891
	1.1111930	1.1286462	1.1460995	1.1635528	1.1810061	1.1984594	1.2159127	40	.0001939
41	1.1114838	1.1289371	1.1463904	1.1638437	1.1812970	1.1987503	1.2162036	41	.0001988
42	1·1117747 1·1120656	1·1292280 1·1295189	1·1466813 1·1469722	1.1641346	1·1815879 1·1818788	1·1990412 1·1993321	$\begin{array}{c} 1.2164945 \\ 1.2167854 \end{array}$	42 43	·0002036 ·0002085
44	1.1123565	1.1298098	1.1472631	1·1644255 1·1647164	1.1821697	1.1996230	1 2170763	44	0002083
45	1.1126474	1.1301007	1.1475540	1.1650073	1.1824606	1.1999139	1.2173672	45	0002182
46	1.1129383	1.1303916	1.1478449	1.1652982	1.1827515	1.2002047	1.2176580	46	.0002230
47	1.1132292	1.1306825	1.1481358	1.1655891	1.1830423	1.2004956	1.2179489	47	0002230
48	1.1135201	1.1309734	1.1484267	1.1658799	1.18333332	1.2007865	1.2182398	48	.0002327
49	1.1138110	1.1312642	1.1487175	1.1661708	1.1836241	1.2010774	1.2185307	49	0002376
50	1.1141018	1.1315551	1.1490084	1.1664617	1.1839150	1.2013683	1.2188216	50	.0002424
51	1.1143927	1.1318460	1.1492993	1.1667526	1.1842059	1.2016592	1.2191125	51	0002473
52 53	1·1146836 1·1149745	1·1321369 1·1324278	1·1495902 1·1498811	1.1670435	1.1844968	1.2019501 1.2022410	1.2194034	52 53	*0002521
54	1 1149745	1.1324278	1.1498811	1·1673344 1·1676253	1·1847877 1·1850786	1.2022410	1.2196943 1.2199851	54	·0002570 ·0002618
55	1.1155563	1.1330096	1.1501720	1.1679162	1.1853695	1.2028227	1 2202760	55	0002618
56	1.1158472	1.1333005	1.1507538	1.1682070	1.1856603	1.2031136	1.2205669	56	0002715
57	1.1161381	1.1335913	1.1510446	1.1684979	1.1859512	1.2034045	1.2208578	57	0002713
58	1.1164289	1.1338822	1.1513355	1.1687888	1.1862421	1.2036954	1.2211487	58	.0002812
59	1.1167198	1.1341731	1.1516264	1.1690797	1.1865330	1.2039863	1.2214396	59	·0002860
60	1.1170107	1.1344640	1.1519173	1.1693706	1.1868239	1.2042772	1.2217305	60	*0002909
	I								

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,	70°	71°	72°	73°	74°	75°	76°	"	
0	1.2217305 1.2220214	1·2391838 1·2394747	1.2566371 1.2569279	1·2740904 1·2743812	1.2915436 1.2918345	1.3089969 1.3092878	1.3264502 1.3267411	0	*0000000 *0000048
2	1.2223122	1.2397655	1.2572188	1.2746721	1.2921254	1.3095787	1 3270320	2	*0000097
3 4	1.2226031 1.2228940	1.2400564 1.2403473	1.2575097 1.2578006	1·2749630 1·2752539	1.2924163 1.2927072	1·3098696 1·3101605	1·3273229 1·3276138	3	*0000145 *0000194
5	1.2231849	1.2406382	1.2580915	1.2755448	1.2929981	1.3101603	1.3279047	5	0000194
6	1.2234758	1.2409291	1.2583824	1.2758357	1.2932890	1.3107423	1.3281956	6	.0000291
8	1.2237667 1.2240576	1.2412200 1.2415109	1.2586733 1.2589642	1.2761266 1.2764175	1.2935799 1.2938708	1·3110332 1·3113240	1·3284864 1·3287773	8	*0000339 *0000388
9	1.2243485	1.2418018	1.2592551	1.2767083	1.2941616	1.3116149	1.3290682	9	*0000436
10	1·2246394 1·2249302	1·2420927 1·2423835	1.2595459	1.2769992	1·2944525 1·2947434	1·3119058 1·3121967	1·3293591 1·3296500	10	*0000485 *0000533
11 12	1.2249302	1.2423833	1·2598368 1·2601277	1·2772901 1·2775810	1.2947434	1.3121967	1.3299409	12	0000582
13	1.2255120	1.2429653	1.2604186	1.2778719	1.2953252	1.3127785	1.3302318	13	*0000630
14 15	1.2258029 1.2260938	1·2432562 1·2435471	1·2607095 1·2610004	1.2781628 1.2784537	1·2956161 1·2959070	1·3130694 1·3133603	1·3305227 1·3308136	14 15	*0000679 *0000727
16	1.2263847	1.2438380	1.2612913	1.2787446	1.2961979	1.3136512	1.3311044	16	.0000776
17	1.2266756 1.2269665	1.2441289 1.2444198	1·2615822 1·2618730	1·2790355 1·2793263	1·2964887 1·2967796	1:3139420 1:3142329	1·3313953 1·3316862	17 18	·0000824 ·0000873
19	1.2272574	1.2447106	1.2621639	1.2796172	1.2970705	1.3145238	1.3319771	19	.0000921
20	1.2275482	1.2450015	1.2624548	1.2799081	1.2973614	1.3148147	1.3322680	20	.0000970
21 22	1.2278391 1.2281300	1.2452924 1.2455833	1.2627457 1.2630366	1.2801990 1.2804899	1·2976523 1·2979432	1·3151056 1·3153965	1.3325589 1.3328498	21 22	·0001018 ·0001067
23	1.2284209	1.2458742	1.2633275	1.2807808	1.2982341	1.3156874	1.3331407	23	*0001115
24 25	1.2287118 1.2290027	1.2461651 1.2464560	1.2636184 1.2639093	1.2810717 1.2813626	1.2985250 1.2988159	1.3159783 1.3162691	1·3334315 1·3337224	24 25	·0001164 ·0001212
26	1.2292936	1.2467469	1.2642002	1.2816534	1.2991067	1.3165600	1.3340133	26	0001212
27	1.2295845	1.2470378	1.2644910	1.2819443	1.2993976	1.3168509	1.3343042	27	*0001201
28	1.2298753	1.2473286	1.2647819	1.2822352	1.2996885	1.3171418	1.3345951	28	0001357
30	1·2301662 1·2304571	1·2476195 1·2479104	1·2650728 1·2653637	1.2825261 1.2828170	1·2999794 1·3002703	1·3174327 1·3177236	1.3348860 1.3351769	29 30	*0001406 *0001454
31	1.2307480	1.2482013	1.2656546	1.2831079	1.3005612	1.3180145	1.3354678	31	*0001508
32	1.2310389 1.2313298	1.2484922 1.2487831	1.2659455 1.2662364	1.2833988 1.2836897	1·3008521 1·3011430	1·3183054 1·3185962	1.3357587 1.3360495	32 33	*0001551 *0001600
34	1.2316207	1.2490740	1.2665272	1.2839806	1.3014338	1.3188871	1.3363404	34	*0001648
35	1.2319116	1.2493649	1.2668181	1.2842714	1.3017247	1.3191780	1.3366313	35	.0001697
36	1.2322025 1.2324933	1.2496557 1.2499466	1.2671090 1.2673999	1.2845623 1.2848532	1.3020156 1.3023065	1.3194689 1.3197598	1·3369222 1·3372131	36 37	*0001745 *0001794
38	1.2327842	1.2502375	1.2676908	1.2851441	1.3025974	1.3200507	1.3375040	38	.0001842
39	1.2330751 1.2333660	1.2505284 1.2508193	1.2679817 1.2682726	1.2854350 1.2857259	1:3028883 1:3031792	1.3203416 1.3206325	1·3377949 1·3380858	39	·0001891 ·0001939
40	1.2336569	1.2511102	1.2685635	1.2860168	1.3034701	1.3209234	1.3383766	40	0001988
42	1.2339478	1.2514011	1.2688544	1.2863077	1.3037610	1.3212142	1.3386675	42	.0002036
43	1.2342387 1.2345296	1.2516920 1.2519829	1·2691453 1·2694361	1.2865985 1.2868894	1:3040518 1:3043427	1·3215051 1·3217960	1.3389584 1.3392493	43	*0002085 *0002133
44 45	1.2348204	1.2522737	1.2697270	1.2871803	1.3046336	1.3220869	1.3395402	44 45	0002183
46	1.2351113	1.2525646	1.2700179	1.2874712	1.3049245	1.3223778	1.3398311	46	*0002230
47	1.2354022 1.2356931	1.2528555 1.2531464	1.2703088 1.2705997	1.2877621 1.2880530	1.3052154 1.3055063	1.3226687 1.3229596	1·3401220 1·3404129	47 48	*0002279 *0002327
49	1.2359840	1.2534373	1.2708906	1.2883439	1 3057972	1.3232505	1.3407038	49	.0002376
50	1.2362749	1.2537282	1.2711815	1.2886348	1.3060881	1.3235413	1.3409946	50	·0002424
51 52	1.2365658 1.2368567	1.2540191 1.2543100	1·2714724 1·2717632	1.2889257 1.2892165	1.3063789 1.3066698	1·3238322 1·3241231	1·3412855 1·3415764	51 52	*0002473 *0002521
53	1.2371476	1.2546008	1.2720541	1.2895074	1.3069607	1.3244140	1.3418673	53	.0002570
54 55	1.2374384 1.2377293	1.2548917 1.2551826	1·2723450 1·2726359	1.2897983 1.2900892	1:3072516 1:3075425	1.3247049 1.3249958	1·3421582 1·3424491	54 55	*0002618 *0002666
56	1.2380202	1.2554735	1.2729268	1.2903801	1.3078334	1.3252867	1.3427400	56	.0002715
57	1.2383111	1.2557644	1.2732177	1.2906710	1.3081243	1.3255776	1.3430309	57	.0002763
58 59	1.2386020 1.2388929	1.2560553 1.2563462	1·2735086 1·2737995	1·2909619 1·2912528	1·3084152 1·3087061	1.3258685 1.3261593	1·3433217 1·3436126	58 59	·0002812 ·0002860
60	1.2391838	1.2566371	1.2740904	1.2915436	1.3089969	1.3264502	1.3439035	60	.0002909
	1							1	

,	77°	78°	79°	80°	81°	82°	83°	"	٠.
0	1.3439035	1.3613568	1.3788101	1.3962634	1.4137167	1.4311700	1.4486233	0	.00000000
1 2	1.3441944 1.3444853	1.3616477 1.3619386	1 3791010 1 3793919	1.3965543 1.3968452	1·4140076 1·4142985	1.4314609 1.4317518	1·4489142 1·4492051	1 2	*0000048 *0000097
3	1.3447762	1.3622295	1.3796828	1.3971361	1.4145894	1.4320427	1.4494959	3	.0000145
5	1.3450671 1.3453580	1.3625204 1.3628113	1.3799737 1.3802645	1.3974270 1.3977178	1.4148802 1.4151711	1.4323335 1.4326244	1.4497868 1.4500777	4 5	*0000194 *0000242
6 7	1:3456489 1:3459397	1.3631021 1.3633930	1.3805554 1.3808463	1.3980087 1.3982996	1·4154620 1·4157529	1·4329153 1·4332062	1.4503686 1.4506595	6	*0000291 *0000339
8	1.3462306	1.3636839	1.3811372	1.3985905	1.4160438	1.4334971	1.4509504	8	0000333
9	1.3465215	1.3639748	1.3814281	1.3988814	1.4163347	1.4337880	1.4512413	9	.0000436
10	1.3468124	1.3642657	1.3817190	1.3991723	1.4166256	1.4340789	1.4515322	10	.0000485
11	1.3471033	1.3645566	1.3820099	1.3994632	1.4169165	1.4343698	1.4518230	11	0000533
12 13	1·3473942 1·3476851	1.3648475 1.3651384	1.3823008 1.3825917	1.3997541 1.4000449	1.4172074 1.4174982	1.4346606 1.4349515	1.4521139 1.4524048	12 13	*0000582 *0000630
14	1.3479760	1.3654293	1.3828825	1.4003358	1.4177891	1.4352424	1.4526957	14	.0000679
15	1.3482668	1.3657201	1.3831734	1.4006267	1.4180800	1.4355333	1.4529866	15	.0000727
16	1.3485577	1.3660110	1.3834643	1.4009176	1.4183709	1.4358242	1.4532775	16	.0000776
17 18	1.3488486 1.3491395	1.3663019 1.3665928	1:3837552 1:3840461	1.4012085 1.4014994	1·4186618 1·4189527	1.4361151 1.4364060	1.4535684 1.4538593	17 18	*0000824 *0000873
19	1.3494304	1.3668837	1:3843370	1.4017903	1.4192436	1.4366969	1.4541502	19	0000921
20	1.3497213	1.3671746	1.3846279	1.4020812	1.4195344	1.4369878	1.4544410	20	.0000970
21	1.3500122	1.3674655	1.3849188	1.4023721	1.4198253	1.4372786	1.4547319	21	.0001018
22	1 3503031	1.3677564	1.3852096	1.4026629	1.4201162	1.4375695	1.4550228	22	.0001067
23 24	1.3505940 1.3508848	1·3680472 1·3683381	1.3855005 1.3857914	1·4029538 1·4032447	1.4204071 1.4206980	1·4378604 1·4381513	1.4553137 1.4556046	23	*0001115 *0001164
25	1.3511757	1.3686290	1.3860823	1.4035356	1.4209889	1.4384422	1.4558955	25	0001104
26	1.3514666	1.3689199	1.3863732	1.4038265	1.4212798	1.4387331	1.4561864	26	.0001261
27	1.3517575	1.3692108	1.3866641	1.4041174	1.4215707	1.4390240	1.4564773	27	.0001309
28 29	1.3520484 1.3523393	1·3695017 1·3697926	1.3869550 1.3872459	1.4044083 1.4046992	1·4218616 1·4221525	1:4393149 1:4396057	1.4567681 1.4570590	28 29	·0001357 ·0001406
30	1.3526302	1.3700835	1.3875368	1.4049990	1.4224433	1.4398966	1.4573499	30	0001400
31	1.3529211	1.3703744	1.3878276	1.4052809	1.4227342	1.4401875	1.4576408	31	.0001503
32	1.3532119	1.3706652	1.3881185	1.4055718	1.4230251	1.4404784	1.4579317	32	.0001551
33	1.3535028 1.3537937	1.3709561 1.3712470	1.3884094 1.3887003	1:4058627 1:4061536	1.4233160 1.4236069	1.4407693 1.4410601	1.4582226 1.4585135	33	*0001600 *0001648
35	1.3540846	1.3715379	1.3889912	1.4061336	1.4238978	1 4413511	1.4588044	34 35	0001648
36	1.3543755	1.3718288	1.3892821	1.4067354	1.4241887	1.4416420	1.4590953	36	.0001745
37	1.3546664	1.3721197	1.3895730	1 4070263	1.4244796	1.4419329	1.4593861	37	.0001794
38	1.3549573	1:3724106 1:3727015	1.3898639	1.4073172	1.4247704	1·4422237 1·4425146	1.4596770	38	0001842
39	1·3552482 1·3555391	1.3727013	1·3901547 1·3904456	1.4076080 1.4078989	1.4250613 1.4253522	1.4428055	1.4599679 1.4602588	39 40	·0001891 ·0001939
41	1.3558299	1.3732832	1.3907365	1.4081898	1.4256431	1.4430964	1.4605497	41	.0001988
42	1.3561208	1.3735741	1.3910274	1.4084807	1.4259340	1.4433873	1.4608406	42	.0002036
43	1.3564117	1.3738650	1.3913183	1.4087716	1.4262249	1.4436782	1.4611315	43	*0002085
44	1·3567026 1·3569935	1·3741559 1·3744468	1·3916092 1·3919001	1:4090625 1:4093534	1:4265158 1:4268067	1:4439691 1:4442600	1·4614224 1·4617132	44	·0002133 ·0002182
46	1.3572844	1:3747377	1.3921910	1.4096443	1.4270976	1.4445508	1.4620041	46	.0002230
47	1.3575753	1.3750286	1.3924819	1.4099351	1.4273884	1.4448417	1.4622950	47	.0002279
48	1.3578662	1.3753195	1.3927727	1.4102260	1.4276793	1.4451326	1.4625859	48	·0002327 ·0002376
49 50	1·3581570 1·3584479	1.3756103 1.3759012	1:3930636 1:3933545	1.4105169 1.4108078	1·4279702 1·4282611	1·4454235 1·4457144	1.4628768 1.4631677	49 50	0002376
51	1.3587388	1.3761921	1:3936454	1.4110987	1.4285520	1.4460053	1.4634586	51	.0002473
52	1.3590297	1.3764830	1.3939363	1.4113896	1.4288429	1.4462962	1.4637495	52	.0002521
53	1.3593206 1.3596115	1:3767739 1:3770648	1·3942272 1·3945181	1:4116805	1·4291338 1·4294247	1.4465871	1.4640404	53	*0002570 *0002618
54 55	1.3599024	1.3773557	1.3948090	1·4119714 1·4122623	1.4294247	1.4468779 1.4471688	1·4643312 1·4646221	54 55	0002618
56	1.3601933	1.3776466	1:3950998	1.4125531	1.4300064	1.4474597	1.4649130	56	.0002715
57	1.3604842	1.3779374	1 3953907	1.4128440	1.4302973	1 4477506	1.4652039	57	.0002763
58	1.3607750	1.3782283 1.3785192	1:3956816 1:3959725	1.4131349	1.4305882	1.4480415	1.4654948	58	*0002812
59 60	1.3610659 1.3613568	1.3785192	1 3962634	1·4134258 1·4137167	1·4308791 1·4311700	1:4483324 1:4486233	1·4657857 1·4660766	59 60	·0002860 ·0002909
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'	84°	85°	86°	87°	88°	89° .	90°	"	
0	1·4660766	1:4835299	1:5009832	1·5184364	1:5358897	1.5533430	1·5707963	0	*0000000
1	1·4663675	1:4838208	1:5012740	1·5187273	1:5361806	1.5536339	1·5710872	1	*0000048
2	1·4666583	1:4841116	1:5015649	1·5190182	1:5364715	1.5539248	1·5713781	2	*0000097
3	1·4669492	1:4844025	1:5018558	1·5193091	1:5367624	1.5542157	1·5716690	3	*0000145
5	1.4672401 1.4675310	1·4846934 1·4849843	1·5021467 1·5024376	1.5196000 1.5198909	1.5370533 1.5373442	1.5545066 1.5547975	1.5719599 1.5722508	5	*0000194 *0000242
6	1·4678219	1·4852752	1·5027285	1·5201818	1·5376351	1.5550884	1·5725417	6	*0000291
7	1·4681128	1·4855661	1·5030194	1·5204727	1·5379260	1.5553793	1·5728325	7	*0000339
8	1·4684037	1·4858570	1·5033103	1·5207636	1·5382168	1.5556701	1·5731234	8	*0000388
9	1·4686946	1·4861479	1·5036012	1·5210544	1·5385077	1.5559610	1·5734143	9	*0000436
10	1·4689855	1·4864387	1·5038920	1·5213453	1·5387986	1.5562519	1·5737052	10	*0000485
11	1:4692763	1·4867296	1.5041829	1·5216362	1.5390895	1.5565428	1·5739961	11	*0000533
12	1:4695672	1·4870205	1.5044738	1·5219271	1.5393804	1.5568337	1·5742870	12	*0000582
13	1:4698581	1·4873114	1.5047647	1·5222180	1.5396713	1.5571246	1·5745779	13	*0000630
14	1:4701490	1·4876023	1.5050556	1·5225089	1.5399622	1.5574155	1·5748688	14	*0000679
15	1:4704399	1·4878932	1.5053465	1·5227998	1.5402531	1.5577064	1·5751596	15	*0000727
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17	1·4710217	1·4884750	1.5059283	1·5233815	1·5408348	1.5582881	1·5757414	17	*0000824
18	1·4713126	1·4887659	1.5062191	1·5236724	1·5411257	1.5585790	1·5760323	18	*0000873
19	1·4716034	1·4890567	1.5065100	1·5239633	1·5414166	1.5588699	1·5763232	19	*0000921
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21	1·4721852	1·4896385	1.5070918	1.5245451	1.5419984	1.5594517	1.5769050	21	*0001018
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23	1·4727670	1·4902203	1.5076736	1.5251269	1.5425802	1.5600335	1.5774868	23	*0001115
24	1·4730579	1·4905112	1.5079645	1.5254178	1.5428711	1.5603244	1.5777776	24	*0001164
25	1·4733488	1·4908021	1.5082554	1.5257087	1.5431619	1.5606152	1.5780685	25	*0001212
26	1·4736397	1·4910930	1·5085463	1·5259995	1.5434528	1.5609061	1.5783594	26	*0001261
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59	1·4832390	1·5006923	1·5181456	1.5355989	1.5530521	1:5705054	1:5879587	59	*0002860
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2 000836 2900 9904182 000318 14183962 000002 2 9909608 28 6									1.00000000	
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7 0020362 2300 9976323 0023271 14125670 0000027 0 9909973 53			2909					4		
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44 0127987 23008 9872013 0127990 1 4051344 0000819 37 9999181 16 16 0130896 2909 986104 0130899 1 4049273 0000857 38 9999143 15 16 0136805 2900 986104 0130899 1 4049273 0000857 38 9999143 15 16 16 0136713 2908 9863287 0136717 1 4045132 0000835 40 9999065 13 16 0145230 2908 9863287 0136717 1 4045132 0000835 40 9999065 13 16 0145230 2908 9857470 0142534 1 4040902 0000975 41 99990025 12 17 1045132 0000835 10 1045439 2909 9854561 014542 1 4040902 0001016 42 9998894 11 10 104530 2909 9854561 014542 1 4040900 0001016 42 9998894 11 10 104530 2909 9854561 014542 1 4038918 0001058 42 9998894 10 10 1045439 2908 9845835 0145451 1 4043774 0001144 44 9998856 8 10 10 104540 2908 9845835 0154169 1 4033771 0001183 46 9998812 7 10 1045707 2908 9845835 0154169 1 4032701 0001183 46 9998812 7 10 1057073 2908 9840918 0159987 1 4028555 0001280 47 9998720 5 10 169892 2908 9831203 0159987 1 4028555 0001280 47 9998673 47 0165799 2908 9831203 0168704 105805 1 4024408 0001375 48 9998673 47 0165799 2908 9831203 0168714 1 4022334 0001423 50 9998673 47 0165799 2908 9831203 0168714 1 4022334 0001423 50 9998673 47 016579 2908 9831203 0168714 1 4022334 0001423 50 9998577 2 10 0174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 10174524 2908 9825476 0174530 1										
1030896 2909 9869104 0130899 1 4047202 0000895 40 9999105 14 14 0136713 2908 9863287 0136717 1 4045132 0000895 40 9999065 13 14 0136713 2908 9863287 0136717 1 4045132 0000935 40 9999065 13 14 014530 2908 9860378 0139623 1 4045090 001016 41 9999025 12 14 0142530 2908 9854747 0142534 1 4040990 001016 42 9998942 10 14 0145430 2909 9854561 0145442 1 4038918 0001058 42 9998942 10 14 14 0145132 2008 9851652 0148351 1 4038918 0001058 42 9998942 10 14 0151260 2909 9845835 0154169 1 4034774 0001144 14 9998856 18 18 18 18 18 18 18 18 18 18 18 18 18	44									
46 0133805 2908 9866195 0133808 1 4047202 0000835 40 9999105 14 47 0139713 2909 9863287 0136717 1 4045132 0000935 40 9999065 13 48 0139622 2908 9860378 0139626 1 4043902 0000975 41 99990625 12 49 0142530 2909 9857470 0142534 1 4040990 0001016 42 9998984 11 10 10 10 10 10 10 10 10 10 10 10 10	45	0130896		9869104	0130899	1 4049273	0000857		9999143	15
43 0139022 2908 9803287 0139026 1 4043062 0000975 40 9999025 12 49 0142530 2908 9857470 0142534 1 4040990 0001016 41 99998984 11 50 0144549 2909 9854561 014542 1 403918 0001058 42 9998942 10 51 0148348 2909 984561 014542 1 4038918 0001058 42 9998942 10 51 0148348 2909 984574 0151260 1 4034774 0001104 44 9998900 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	46			9866195	0133808	1.4047202	0000895		9999105	
50 0145439 2909 9854561 0145442 1 4038918 0001058 42 9998942 10 10 1048348 2908 9851652 0148351 1 4036846 0001100 44 9998900 9 10 10 10 10 10 10 10 10 10 10 10 10 10	47						0000935		9999065	
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52 0151256 2905 9845744 0151260 1 44034774 0001144 44 9998856 8 8 1 53 0154145 2908 9845855 0154169 1 4032701 0001188 44 9998812 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		l .	2909					42		1 !
33	F2			9851652				44		
54 0157073 2909 9842927 0157078 1 4030628 0001284 46 9998726 6 55 015982 2908 9840018 0159987 1 40285555 0001284 46 9998720 5 6 0162890 2909 9837110 0162896 1 4026482 0001327 48 9998673 4 7 0165709 2908 9831293 0168714 1 4022408 0001327 48 9998625 3 8 016770 2909 9831293 0168714 1 4022334 0001423 50 9998577 2 9 0171616 2908 982884 0171622 1 4020260 0001473 50 9998577 1 0 0174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine /	53									
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine Cosine Cosi	54	0157073		9842927			0001234			6
6 0162890 2900 9837110 0162896 1 4026482 0001327 48 9998673 4 0165799 2908 9834201 0165805 1 4024408 0001375 48 9998625 3 0168707 2909 9831293 0168714 1 4022334 0001423 50 9998577 2 0 0171616 2909 9828384 0171622 1 4020260 0001473 50 9998577 2 0 0174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100	0159982		9840018	0159987	1.4028555	0001280		9998720	5
8 0168707 25909 9831293 0168714 1 4022334 0001423 50 9998577 2 9 0171616 2909 9825834 0171622 1 4020260 0001473 50 9998527 1 0 0174524 2908 9825476 0174530 1 4018186 0001523 50 9998477 0 0	6			9837110	0162896	1.4026482	0001327		9998673	
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Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine Cosine Diff. NATURAL SINES, COSINES, &c. Deg. 89.	8									
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine '	lo B									
263 NATURAL SINES, COSINES, &c. Deg. 89.	-	0114024		0020±10	A114000	1 4010100	0001020		2220411	1
263 NATURAL SINES, COSINES, &c. Deg. 89.	1	Cosine	Diff:	Vers.	Co-chord	Chord	Covers.	Diff	Sine	1.
7 2 3 3 2 1 3						0	30.020	~	DIAG	
7 2 3 3 2 1 3	-	1								1
		263		NATU	RAL SINES	s, cosines,	&c.	44	Deg. 8	39.
	II.				η	1			42	

0 1	Sine								1
1		Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine •	'
1	0174504		0005470	0174590	1.4010100	0001509		9998477	60
1	$0174524 \\ 0177432$	2908	9825476 9822568	$0174530 \\ 0177439$	1·4018186 1·4016111	0001523 0001574	51	9998426	59
2	0180341	2909	9819659	0180348	1.4014036	0001574	52	9998374	58
3	0183249	2908	9816751	0183257	1.4011960	0001679	53	9998321	57
4	0186158	2909	9813842	0186166	1.4009884	0001733	54	9998267	56
5	0189066	2908	9810934	0189075	1.4007808	0001787	54	9998213	55
6		2908		0101004	1.4005732	0001049	56	9998157	54
7	$0191974 \\ 0194883$	2909	9808026 9805117	$0191984 \\ 0194892$	1.4003655	0001843 0001899	56	9998101	53
8	0194555	2908	9802209	0194892	1.4001578	0001899	57	9998044	55
9	0200699	2908	9799301	0200709	1.3999500	0002014	58	9997986	51
10	0203608	2909	9796392	0203618	1.3997422	0002073	59	9997927	50
11	0206516	2908			1.3995344	0002133	60	9997867	49
$\frac{11}{12}$	0200516	2908	9793484	0206527	1.3993266	0002133	60	9997807	48
13	0203424	2908	9790576 9787668	0209436 0212345	1.3991188	0002193	62	9997745	47
	0215241	2909	9784759	0212343	1.3989110	0002233	62	9997683	46
14 15	0218149	2908	9781851	0218162	1.3987031	0002380	63	9997620	45
- 1		2908					64		
16	0221057	2908	9778943	0221070	1.3984952	0002444	64	9997556 9997492	44
17 18	0223965	2908	9776035	0223979	1.3982872	0002508	66	9997492	45
19	$\begin{array}{c} 0226873 \\ 0229781 \end{array}$	2908	9773127	0226888	1:3980792 1:3978711	0002574 0002640	66	9997360	4
20	0232690	2909	9770219 9767310	0229797 0232706	1.3976630	0002708	68	9997292	40
- 1		2908					68	9997224	
21	0235598	2908	9764402	0235614	1.3974549	0002776	68		39
22	0238506	2908	9761494	0238522	1.3972468	0002844	70	9997156 9997086	38
$\frac{23}{24}$	$0241414 \\ 0244322$	2908	9758586	0241431	1:3970387 1:3968306	0002914	71	9997015	30
24 25	0244322	2908	9755678 9752770	0244340 0247249	1.3968306	0002985 0003057	72	9996943	38
		2908					72		
26	0250138	2908	9749862	0250158	1.3964142	0003129	73	9996871	3
27	0253046	2908	9746954	0253066	1.3962059	0003202	74	9996798	35
28	0255954	2908	9744046	0255974	1.3959976	0003276	75	9996724 9996649	35
29 30	0258862 0261769	2907	9741138	0258883	1.3957893 1.3955810	0003351	76	9996573	31
		2908	9738231	0261792	1	0003427	76		
31	0264677	2908	9735323	0264701	1.3953726	0003503	78	9996497	29
32	0267585	2908	9732415	0267610	1 3951642	0003581	78	9996419	28
33	0270493	2908	9729507	0270518	1.3949557	0003659	79	9996341 9996262	27
34	0273401	2908	9726599	0273426	1.3947472	0003738	80	9996262	26
35	0276309	2907	9723691	0276335	1.3945387	0003818	81)
36	0279216	2908	9720784	0279244	1.3943302	0003899	81	9996101	24
37	0282124	2908	9717876	0282152	1.3941216	0003980	83	9996020	23
38	0285032	2908	9714968	0285060	1.3939130	0004063	83	9995937 9995854	22
39	0287940	2907	9712060	0287969	1 3937044	0004146	84	99955770	21 20
40	0290847	2908	9709153	0290878	1.3934958	0004230	86		1
41	0293755		9706245	0293787	1.3932871	0004316	85	9995684	19
42	0296662	2907 2908	9703338	0296696	1.3930784	0004401	87	9995599	18
43	0299570	2908	9700430	0299604	1.3928697	0004488	88	9995512	17
44	0302478	2907	9697522	0302512	1.3926610	0004576	88	9995424	16
45	0305385	2908	9694615	0305421	1.3924522	0004664	89	9995336	18
46	0308293		9691707	0308330	1.3922434	0004753		9995247	14
47	0311200	2907	9688800	0311238	1.3920345	0004843	90	9995157	18
48	0314108	2908	9685892	0314146	1.3918256	0004934	91	9995066	12
49	0317015	$\frac{2907}{2907}$	9682985	0317055	1 3916167	0005026	92 93	9994974	11
50	0319922	2908	9680078	0319964	1.3914078	0005119	93	9994881	10
51	0322830		9677170	0322872	1.3911988	0005212		9994788	8
52	0325737	2907	9674263	0325780	1.3909898	0005397	95	9994693	
53	0328644	2907	9671356	0328689	1.3907807	0005402	95	9994598	7
54	0331552	2908 2907	9668448	0331598	1.3905716	0005498	96	9994502	5
55	0334459	2907	9665541	0334506	1 3903625	0005595	97 97	9994405	5
56	0337366		9662634	0337414	1.3901534	0005692		9994308	1
57	0340274	2908	9659726	0340323	1.3899443	0005791	99	9994209	3210
58	0343181	2907	9656819	0343232	1.3897352	0005890	99	9994110	2
59	0346088	2907	† 9653912	0346140	1.3895260	0005991	101	9994009	1
60	0348995	2907	9651005	0349048	1.3893168	0006092	101	9993908	0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

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1	2 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
	Onic	Din.	OOVEIS.	Chora	Co-chora	VOIS.	Din.	Cosine	1.
0	0348995	2907	9651005	0349048	1.3893168	0006092	102	9993908	60
1	0351902	2907	9648098	0351956	1.3891075	0006194	102	9993806	59
2	0354809~	2907	9645191	0354864	1.3888982	0006296	104	9993704	58
3	0357716	2907	9642284	0357773	1.3886889	0006400	105	9993600	57
4	0360623	2907	9639377	0360682	1 3884796	0006505	105	9993495	56
5	0363530	2907	9636470	0363590	1.3882702	0006610	106	9993390	55
6	0366437		9633563	0366498	1.3880608	0006716		9993284	54
7	0369344	2907	9630656	0369407	1.3878513	0006823	107	9993177	53
8	0372251	2907	9627749	0372316	1.3876418	0006931	108	9993069	52
9	0375158	2907	9624842	0375224	1.3874323	0007040	109 109	9992960	51
10	0378065	2907 2906	9621935	0378132	1 3872228	0007149	111	9992851	50
11	0380971		9619029	0381040	1.3870132	0007260		9992740	49
12	0383878	2907	9616122	0383948	1.3868036	0007371	111	9992629	48
13	0386785	2907	9613215	0386857	1.3865940	0007483	112	9992517	47
14	0389692	2907	9610308	0389766	1.3863844	0007596	113	9992404	46
15	-0392598	$\frac{2906}{2907}$	9607402	0392674	1.3861747	0007710	114 114	9992290	45
16	0395505		9604495	0395582	1.3859650	0007824		9992176	44
17	0398411	2906	9601589	0398490	1 3857553	0007940	116	9992060	43
18	0401318	2907	9598682	0401398	1.3855456	0007940	116	9991944	42
19	0404224	2906	9595776	0404307	1.3853358	0008173	117	9991827	41
20	0407131	2907	9592869	0407216	1.3851260	0008291	118	9991709	40
21	0410037	2906	9589963	0410124	1.3849161	0008410	119	9991590	39
22	0412944	2907	9587056	0413032	1.3847062	0008530	120	9991470	38
23	0415850	2906	9584150	0415940	1.3844963	0008650	120	9991350	37
24	0418757	2907	9581243	0418848	1.3842864	0008772	122	9991228	36
25	0421663	2906	9578337	0421756	1.3840764	0008894	122	9991106	35
26	0424569	2906	9575431	0424664	1.3838664	0009017	123	9990983	34
27	0427475	2906	9572525	0427573	1.3836564	0009017	124	9990859	33
28	0430382	2907	9569618	0430482	1.3834464	0009266	125	9990734	32
29	0433288	2906	9566712	0433390	1.3832363	0009391	125	9990609	31
30	0436194	2906	9563806	0436298	1.3830262	0009518	$\frac{127}{127}$	9990482	30
31	0439100	2906	9560900	0439206	1.3828160	0009645		9990355	29
32	0442006	2906	9557994	0442114	1.3826058	0009045	128	9990227	28
33	0444912	2906	9555088	0445022	1.3823956	0009902	129	9990098	27
34	0447818	2906	9552182	0447930	1.3821854	0010032	130	9989968	26
35	0450724	2906	9549276	0450838	1.3819751	0010163	131	9989837	25
36	0453630	2906	9546370	0453746	1.3817648	0010294	131	9989706	24
37	0456536	2906	9543464	0456654	1.3815545	0010427	133	9989573	23
38	0459442	2906	9540558	0459562	1.3813442	0010560	133	9989440	22
39	0462347	2905	9537653	0462471	1.3811338	0010694	134	9989306	21
40	0465253	2906	9534747	0465380	1.3809234	0010829	135	9989171	20
	0468159	2906					136		1 -
41		2906	9531841	0468288	1.3807129 1.3805024	0010965	136	9989035	19
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48 49	0488498	2905	9511502 9508597	0488644 0491552	1.3792390 1.3790284	0011939 0012081	142	9988061 9987919	12
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60	0523360	2905	9476640	0523538	1.3767092	0013505	152	9986295	0
1				70200 00	10,0,00	3020,00		3000200	1
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
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0 1 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Sine 0523360 0526264 0529169 0532074 0534979 0537883 0540788 0543693 0546597 0549502 0552406 0555311 0568215 0561119 0564024 0569832 0569832 0572736 0575640 0575640	Diff. 2904 2905 2905 2904 2905 2904 2905 2904 2905 2904 2905 2904 2904 2905 2904 2904 2905	Covers. 9476640 9473736 9470831 9467926 9465021 9462117 9459212 9458307 9453403 9450498 94447594 9444785 9438881 9438976 9433072	Chord 0523538 0520446 0529354 0532262 0535170 0538078 0540986 0543894 0546802 0549710 0552618 05555525 0558432 0561340 0664248	Co-chord 1:3767092 1:3764981 1:3762870 1:3769760 1:3756538 1:3754296 1:3752314 1:3750202 1:3748089 1:3748076 1:3743863 1:3741750	Vers. 0013705 0013857 0014011 0014165 0014320 0014476 0014633 0014791 0014950 0015109 0015269	Diff. 152 154 154 155 156 157 158 159 160 161	Cosine 9986295 9986143 9985989 9985835 9985680 9985524 9985367 9985209 9985050 9984891 9984731	58 57 56 55 54 53 52 51
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	0523360 0526264 0529169 0532074 0534979 0537883 0546597 0549502 0552406 0555311 0558215 0561119 0564024 056928 056928 05755446	2904 2905 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904 2904 2904 2904	9476640 9473736 9470831 9467926 9465021 9462117 9459212 9456307 9453403 9450498 9447594 9441785 9438881 9435976 9433072	0523538 0526446 0529354 0532262 0535170 0538078 0549980 0543894 0549710 0552618 0555525 0555432 0561340 0664248	1:3767092 1:3764981 1:3762870 1:3756650 1:3756650 1:3756588 1:3754426 1:3750202 1:3748089 1:3748089 1:3743863 1:3741750	0013705 0013857 0014011 0014165 0014320 0014476 0014633 0014791 0015269 0015109	152 154 154 155 156 157 158 159 160	9986295 9986143 9985989 9985835 9985680 9985524 9985367 9985209 9985050 9984891	60 59 58 57 56 55 54 53 52
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0526264 0529169 0532074 0534979 0537883 0540788 0543693 0546597 0549502 0552406 05558215 0561119 0564024 0560928 0572736 0575544	2905 2905 2904 2905 2904 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904	9473736 9470831 9467926 9465021 9465021 9459212 9456307 9453403 9450498 9447694 9444689 9441785 9438881 9435976 9433072	0526446 0529354 0532262 0535170 0538078 0540986 0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1:3764981 1:3762870 1:3760760 1:3758650 1:3758650 1:3752314 1:3752202 1:3748089 1:3745976 1:3743863 1:3743750	0013857 0014011 0014165 0014320 0014476 0014633 0014791 0014950 0015109 0015269	154 154 155 156 157 158 159 159 160	9986143 9985989 9985835 9985680 9985524 9985367 9985367 9985050 9984891	59 58 57 56 55 54 53 52 51
2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0529169 0532074 0534979 0537883 0543693 0543693 0546597 05522406 0555215 0561119 0564024 056928 0572736 0575640	2905 2905 2904 2905 2904 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904	9470831 9467926 9465021 9462117 9459212 9456307 9453403 9450498 9447594 9444785 9438881 9435976 9433072	0529354 0532262 0535170 0538078 0540986 0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1:3762870 1:3760760 1:3758650 1:3756538 1:3754426 1:3752314 1:3750202 1:3748089 1:3743863 1:3743863	0014011 0014165 0014320 0014476 0014633 0014791 0014950 0015109 0015269 0015430	154 154 155 156 157 158 159 159 160	9985989 9985835 9985680 9985524 9985367 9985209 9985050 9984891	58 57 56 55 54 53 52 51
3 4 5 6 7 7 8 9 10 112 13 14 15 16 17 18 19 20 21 22 22 22 22 25 26 27 28	0532074 0534979 0537883 0540788 0543693 0546597 0549502 0552406 0555311 0568215 0561119 0564024 0569928 0572736 0575640	2905 2905 2904 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904 2904	9467926 9465021 9462117 945212 9456307 9453403 9450498 9447594 9444639 9441785 9438881 9435976 9433072	0532262 0535170 0538078 0540986 0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1:3760760 1:3758650 1:3756538 1:3754426 1:3752314 1:3750202 1:3748089 1:3743863 1:3743863	0014165 0014320 0014476 0014633 0014791 0014950 0015109 0015269 0015430	154 155 156 157 158 159 159 160	9985835 9985680 9985524 9985367 9985209 9985050 9984891	57 56 55 54 53 52 51
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0534979 0537883 0540788 0543693 0546597 059502 0552406 0555811 0561119 0564024 0566928 0572736 0575640	2905 2904 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904 2904 2904	9465021 9462117 9459212 9456307 9453403 9450498 9447594 9444689 9441785 9438881 9435976 9433072	0535170 0538078 0540986 0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1:3758650 1:3756538 1:3754426 1:3752314 1:3750202 1:3748089 1:3745976 1:3743863 1:3741750	0014320 0014476 0014633 0014791 0014950 0015109 0015269 0015430	155 156 157 158 159 159 160	9985680 9985524 9985367 9985209 9985050 9984891	56 55 54 53 52 51
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28	0537883 0540788 0543693 0546597 0549502 0552406 0555311 0564024 05664024 0569632 0572736 0575640	2904 2905 2905 2904 2905 2904 2905 2904 2904 2904 2904 2904 2904	9462117 9459212 9456307 9453403 9450498 9447594 9444689 9441785 9438881 9435976 9433072	0538078 0540986 0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1·3756538 1·3754426 1·3752314 1·3750202 1·3748089 1·3745976 1·3743863 1·3741750	0014476 0014633 0014791 0014950 0015109 0015269 0015430	156 157 158 159 159 160	9985524 9985367 9985209 9985050 9984891	55 54 53 52 51
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7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0543693 0546597 0549502 0552406 0555311 0558215 0561119 0564024 0566928 0572736 0575640 0575544	2904 2905 2904 2905 2904 2904 2904 2905 2904 2904 2904	9456307 9453403 9450498 9447594 9444689 9441785 9438881 9435976 9433072	0543894 0546802 0549710 0552618 0555525 0558432 0561340 0564248	1·3752314 1·3750202 1·3748089 1·3745976 1·3743863 1·3741750	0014791 0014950 0015109 0015269 0015430	159 159 160	9985209 9985050 9984891	53 52 51
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 24 25 26 27 28	0546597 0549502 0552406 0555311 0558215 0561119 0564024 0566928 0569832 0572736 0575640 0578544	2904 2905 2904 2905 2904 2904 2904 2905 2904 2904 2904	9453403 9450498 9447594 9444689 9441785 9438881 9435976 9433072	0546802 0549710 0552618 0555525 0558432 0561340 0564248	1·3750202 1·3748089 1·3745976 1·3743863 1·3741750	0014950 0015109 0015269 0015430	159 159 160	9985050 9984891	52 51
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0549502 0552406 0555311 0558215 0561119 0564024 0566928 0572736 0572640 0575640	2905 2904 2905 2904 2904 2904 2904 2904 2904	9450498 9447594 9444689 9441785 9438881 9435976 9433072	0549710 0552618 0555525 0558432 0561340 0564248	1·3748089 1·3745976 1·3743863 1·3741750	0015109 0015269 0015430	159 160	9984891	51
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0552406 0555311 0558215 0561119 0564024 0566928 0569832 0572736 0575640 0578544	2905 2904 2904 2905 2904 2904 2904	9447594 9444689 9441785 9438881 9435976 9433072	0552618 0555525 0558432 0561340 0564248	1·3745976 1·3743863 1·3741750	0015269 0015430			
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0555311 0558215 0561119 0564024 0566928 0569832 0572736 0575640 0578544	2904 2904 2905 2904 2904 2904	9444689 9441785 9438881 9435976 9433072	0555525 0558432 0561340 0564248	1·3743863 1·3741750	0015430	161	SOCTION	1 00
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0558215 0561119 0564024 0566928 0569832 0572736 0575640 0578544	2904 2905 2904 2904 2904	9441785 9438881 9435976 9433072	0558432 0561340 0564248	1.3741750			0004550	1 40
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	0561119 0564024 0566928 0569832 0572736 0575640 0578544	2905 2904 2904 2904	9438881 9435976 9433072	0561340 0564248		0015592	162	9984570 9984408	49
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15 16 17 18 19 20 21 22 23 24 25 26 27 28	0566928 0569832 0572736 0575640 0578544	2904 2904	9433072		1.3737522	0015919	164	9984081	46
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22 23 24 25 26 27 28	0504050	2904					170		
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24 25 26 27 28	0587256 0590160	2904	9412744	0587510	1.3720600	0017258 0017430	172	9982742 9982570	38 37
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27 28	0598871	2904				0017948	173		
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	0607582	2904	9392418	0607863	1.3705778	0018475	176	9981525	31
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32	0616292	2903	9383708	0616586	1.3699422	0019009	179	9980991	28
33	0619196	2904	9380804	0619493	1.3697302	0019189	180	9980811	27
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36	0627905		9372095	0628216	1.3690942	0019733	183	9980267	24
37	0630808	2903 2903	9369192	0631123	1.3688821	0019916	183	9980084	23
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47	0659836	2903	9340164	0660196	1.3667599	0021793	192	9978207	13
48	0662739 0665641	2902	9337261	0663104	1.3665476	0021985 0022179	194	9978015	12
49 50	0668544	2903	9334359 9331456	0666011 0668918	1·3663351 1·3661226	0022179	194	9977821 9977627	11 10
		2902					194		1
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55	0683055	2902	9316945	0683455	1.3650600	0023355	198	9976645	5
56	0685957	2902	9314043	0686362	1.3648474	0023555	200	9976445	1
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58	0691761	2902	9308239	0692176	1.3644222	0023955	200	9976045	2
59	0694663	2902	9305337	0695083	1.3642095	0024157	202	9975843	1
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'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

	Deg.								,
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
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2	0703368	2901 2902	9296632	0703804	1.3635712	0024767	204 205	9975233	58
3	0706270	2902	9293730	0706711	1.3633584	0024972	206	9975028	57
4 .	0709171	2901	9290829	0709618	1.3631456	0025178	207	9974822	56
5	0712073	2901	9287927	0712525	1.3629327	0025385	207	9974615	55
6	0714974	2902	9285026	0715432	1.3627198	0025592	209	9974408	54
7	0717876	2901	9282124	0718339	1.3625068	0025801	209	9974199	53
8	0720777	2901	9279223	0721246	1.3622938	0026010	210	9973990	52
10	0723678 0726580	2902 2901	$\frac{9276322}{9273420}$	0724153 0727060	1·3620808 1·3618678	$\begin{array}{c} 0026220 \\ 0026431 \end{array}$	211 212	9973780 9973569	51 50
11	0729481	2901	9270519	0729967	1.3616548	0026643	212	9973357	49
12	0732382	2901	9267618	0732874	1.3614418	0026855	214	9973145	48
13	0735283	2901	9264717	0735781	1.3612287	0027069	214	9972931	47
14	0738184	2901	9261816	0738688	1.3610156	0027283	215	9972717	46
15	0741085	2901	9258915	0741595	1.3608024	0027498	216	9972502	45
16	0743986	2901	9256014	0744502	1.3605892	0027714	217	9972286	44
17	0746887	2900	9253113	0747409	1.3603759	0027931	218	9972069	43
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19	0752688	2901	9247312	0753223	1.3599494	0028367	220	9971633	41
20	0755589	2900	9244411	0756130	1.3597362	0028587	220	9971413	40
21	0758489	2901	9241511	0759036	1.3595228	0028807	221	9971193	39
22	0761390	2900	9238610	0761942	1.3593094	0029028	222	9970972	38
23	0764290	2900	9235710	0764849	1.3590960	0029250	222	9970750	37
24	0767190	2901	9232810	0767756	1.3588826	0029472	224	9970528	36
25	0770091	2900	9229909	0770663	1.3586691	0029696	224	9970304	35
26	0772991	2900	9227009	0773570	1.3584556	0029920	226	9970080	34
27	0775891	2900	9224109	0776477	1.3582421	0030146	226	9969854	33
28	0778791	2900	9221209	0779384	1.3580286	0030372	227	9969628	32
29	0781691	2900	9218309	0782290	1.3578150	0030599	228	9969401	31
30	0784591	2900	9215409	0785196	1.3576014	0030827	228	9969173	30
31	0787491	2900	9212509	0788103	1.3573878	0031055	230	9968945	29
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33	0793290	2900	9206710	0793916	1.3569605	0031515	231	9968485	27
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45	0828082	2899	9174817 9171918	0825888 0828794	1.3543942	0034105 0034345	240	9965895 9965655	16
		2899					241		
46	0830981	2899	9169019	0831700	1.3541802	0034586	242	9965414	14
48	0833880 0836778	2898	9166120	0834607	1 3539661	0034828	243	9965172	13
48	0839677	2899	9163222 9160323	0837514 0840420	1.3537520 1.3535378	0035071 0035315	244	9964929 9964685	12
50	0842576	2899	9157424	0843326	1.3533236	0035560	245	9964440	10
	0845474	2898		1			245		1
51 52	0848373	2899	9154526	0846232	1.3531094	0035805	247	9964195	9
53	0851271	2898	9151627 9148729	0849138 0852044	1·3528952 1·3526809	0036052 0036299	247	9963948 9963701	8 7
54	0854169	2898	9145729	0854950	1.3524666	0036547	248	9963453	1 6
55	0857067	2898 2899	9142933	0857857	1.3522523	0036796	249 250	9963204	5
56	0859966		9140034	0860764	1.3520380	0037046		9962954	4
57	0862864	2898	9137136	0863670	1.3518236	0037296	250	9962704	9
58	0865762	2898	9134238	0866576	1.3516092	0037548	252	9962452	3 2
59	0868660	2898	9131340	0869482	1.3513948	0037800	252	9962200	ĩ
60	0871557	2897	9128443	0872388	1.3511804	0038053	253	9961947	Į ō
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
ļ				1					
	007		NT A TUTT	DAT SINES	COSTNES	ha		Dog 95	

	b Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	0871557		9128443	0872388	1.3511804	0038053		9961947	6
ĭ	0874455	2898	9125545	0875294	1.3509659	0038307	254	9961693	5
2	0877353	2898	9122647	0878294	1.3507514	0038562	255	9961438	5
3	0880251	2898	9119749	08/8200	1.3505369	0038817	255	9961183	5
4	0883148	2897	9116852	0881106	1.3503224	0039074	257	9960926	5
5	0886046	2898	9113954	0884012	1.3501078	0039331	257	9960669	5
1	0000040	2897	9119994	0886918			258		1
6	0888943	2897	9111057	0889824	1.3498932	0039589	259	9960411	5
7	0891840	2898	9108160	0892730	1.3496785	0039848	260	9960152	5
8	0894738	2897	9105262	0895636	1.3494638	0040108	261	9959892	5
9	0897635	2897	9102365	0898542	1.3492491	0040369	261	9959631	5
10	0 900532	2897	9099468	0901448	1.3490344	0040630	263	9959370	5
11	0903429		9096571	0904354	1.3488196	0040893		9959107	4
12	0906326	2897	9093674	0907260	1.3486048	0041156	263	9958844	4
13	0909223	2897	9090777	0910166	1.3483900	0041420	264	9958580	4
14	0912119	2896	9087881	0913072	1.3481752	0041685	265	9958315	4
15	0915016	2897	9084984	0915978	1.3479603	0041951	266	9958049	4
ı		2897					266		
16	0917913	2896	9082087	0918884	1.3477454	0042217	268	9957783	4
17	0920809	2897	9079191	0921789	1.3475304	0042485	268	9957515	4
18	0923706	2896	9076294	0924694	1.3473154	0042753	269	9957247	4
19	0926602	2897	9073398	0927600	1.3471004	0043022	270	9956978	4
20	0929499	2896	9070501	0930506	1.3468854	0043292	271	9956708	4
21	0932395		9067605	0933412	1.3466703	0043563		9956437	8
22	0935291	2896	9064709	0936318	1.3464552	0043835	272	9956165	8
23	0938187	2896	9061813	0939224	1.3462401	0044107	272	9955893	3
24	0941083	2896	9058917	0942130	1.3460250	0044380	273	9955620	3
25	0943979	2896	9056021	0945035	1.3458098	0044655	275	9955345	3
}		2896					275		
26	0946875	2896	9053125	0947940	1.3455946	0044930	275	9955070	3
27	0949771	2895	9050229	0950846	1.3453794	0045205	277	9954795 -	3
28	0952666	2896	9047334	0953752	1.3451642	0045482	278	9954518	3
29	0955562	2896	9044438	0956657	1.3449489	0045760	278	9954240	3
30	0958458	2895	9041542	0959562	1.3447336	0046038	279	9953962	3
31	0961353		9038647	0962468	1.3445183	0046317		9953683	2
32	0964248	2895	9035752	0965374	1.3443030	0046597	280	9953403	2
33	0967144	2896	9032856	0968279	1.3440876	0046878	281	9953122	2
34	0970039	2895	9029961	0908279	1.3438722	0047160	282	9952840	2
35	0972934	2895	9027066	0974090	1.3436567	0047143	283	9952557	2
- 1		2895					283		1 -
36	0975829	2895	9024171	0976996	1.3434412	0047726	284	9952274	2
37	0978724	2895	9021276	0979901	1.3432257	0048010	285	9951990	2
38	0981619	2895	9018381	0982806	1.3430102	0048295	286	9951705	2
39	0984514	2894	9015486	0985711	1.3427946	0048581	287	9951419	2
0	0987408	2895	9012592	0988616	1.3425790	0048868	288	9951132	2
1	0990303	2090	9009697	0991522	1.3423634	0049156	400	9950844	1
		2894			1.3421478		288		
2	0993197 0996092	2895	9006803 9003908	0994428	1.3419321	0049444 0049734	290	9950556	1
3	0998986	2894		0997333	1.3419321	0049734	290	9950266	
		2895	9001014	1000238	1.3417104	0050024	291	9949976	1
5	1001881	2894	8998119	1003143			292	9949685	1
6	1004775	2894	8995225	1006048	1.3412848	0050607	292	9949393	1
7	1007669		8992331	1008953	1.3410690	0050899		9949101	1
8	1010563	2894	8989437	1011858	1.3408532	0051193	294	9948807	1
9	1013457	2894	8986543	1014764	1.3406374	0051487	294	9948513	1
ō	1016351	2894	8983649	1017670	1.3404216	0051783	296	9948217	1
		2894		1			296		
1	1019245	2893	8980755	1020575	1.3402056	0052079	296	9947921	
2	1022138	2894 .	8977862	1023480	1.3399896	0052375	298	9947625	
3	1025032	2893	8974968	1026385	1.3397737	0052673	299	9947327	
4	1027925	2894	8972075	1029290	1.3395578	0052972	299	9947028	
5	1030819	2893	8969181	1032195	1.3393417	0053271	301	9946729	
6	1033712		8966288	1035100	1.3391256	0053572		9946428	
7	1036605	2893	8963395	1038005	1.3389096	0053873	301	9946127	i
8	1039499	2894	8960501	1040910	1.3386936	0054175	302	9945825	
9	1042392	2893	8957608	1043815	1.3384774	0054477	302	9945523	
0	1045285	2893	8954715	1046720	1.3382612	0054781	304	9945219	
			5001110	2010,20	2 0002012			2010010	1
. 1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
,									

	Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3	1045285 1048178 1051070 1053963	2893 2892 2893	8954715 8951822 8948930 8946037	1046720 1049624 1052528 1055433	1:3382612 1:3380450 1:3378288 1:3376125	0054781 0055086 0055391 0055697	305 305 306	9945219 9944914 9944609 9944303	60 59 58 57
4 5	1056856 1059748	2893 2892 2893	8943144 8940252	1058338 1061243	1:3373962 1:3371799	$0056004 \\ 0056312$	307 308 309	9943996 9943688	56 55
6	1062641	2892	8937359	1064148	1.3369636	0056621	309	9943379	54
7	1065533	2892	8934467	1067053	1.3367473	0056930	310	9943070	53
8	1068425	2893	8931575	1069958	1.3365310	0057240	312	9942760	52
9	1071318	2892	8928682	1072862	1.3363145	0057552	312	9942448	51
10	1074210	2892	8925790	1075766	1.3360980	0057864	313	9942136	50
11	1077102	2892	8922898	1078671	1:3358816	0058177	313	9941823	49
12	1079994	2891	8920006	1081576	1:3356652	0058490	315	9941510	48
13	1082885	2892	8917115	1084481	1:3354486	0058805	315	9941195	47
14	1085777	2892	8914223	1087386	1:3352320	0059120	317	9940880	46
15	1088669	2891	8911331	1090290	1:3350154	0059437	317	9940563	45
16	1091560	2892	8908440	1093194	1:3347988	0059754	318	9940246	44
17	1094452	2891	8905548	1096099	1:3345822	0060072	318	9939928	43
18	1097843	2891	8902657	1099004	1:3343656	0060390	320	9939610	42
19	1100234	2892	8899766	1101908	1:3341489	0060710	321	9939290	41
20	1103126	2891	8896874	1104812	1:3339322	0061031	321	9938969	40
21	1106017	2891	8893983	1107717	1°3337154	0061352	322	9938648	39
22	1108908	2891	8891092	1110622	1°3334986	0061674	323	9938326	38
23	1111799	2890	8888201	1113526	1°3332818	0061997	324	9938003	37
24	1114689	2891	8885311	1116430	1°3330650	0062321	324	9937679	36
25	1117580	2891	8882420	1119334	1°3328481	0062645	326	9937355	35
26 27 28 29 30	1120471 1123361 1126252 1129142 1132032	2890 2891 2890 2890 2890	8879529 8876639 8873748 8870858 8867968	1122238 1125143 1128048 1130952 1133856	1·3326312 1·3324143 1·3321974 1·3319804 1·3317634	0062971 0063297 0063625 0063953 0064281	326 328 328 328 328 330	9937029 9936703 9936375 9936047 9935719	34 33 32 31 30
31	1134922	2890	8865078	1136760	1·3315463	0064611	331	9935389	29
32	1137812	2890	8862188	1139664	1·3313292	0064942	331	9935058	28
33	1140702	2890	8859298	1142568	1·3311121	0065273	332	9934727	27
34	1143592	2890	8856408	1145472	1·3308950	0065605	333	9934395	26
35	1146482	2890	8853518	1148376	1·3306779	0065938	334	9934062	25
36	1149372	2889	8850628	1151280	1·3304608	0066272	335	9933728	24
37	1152261	2890	8847739	1154184	1·3302435	0066607	336	9933393	23
38	1155151	2889	8844849	1157088	1·3300262	0066943	336	9933057	22
39	1158040	2889	8841960	1159992	1·3298090	0067279	337	9932721	21
40	1160929	2889	8839071	1162896	1·3295918	0067616	339	9932384	20
41	1163818	2889	8836182	1165800	1·3293744	0067955	339	9932045	19
42	1166707	2889	8833293	1168704	1·3291570	0068294	339	9931706	18
43	1169596	2889	8830404	1171608	1·3289397	0068633	341	9931367	17
44	1172485	2889	8827515	1174512	1·3287224	0068974	341	9931026	16
45	1175374	2889	8824626	1177416	1·3285049	0069315	343	9930685	15
46	1178263	2888	8821737	1180320	1·3282874	0069658	343	9930342	14
47	1181151	2889	8818849	1183224	1·3280699	0070001	344	9929999	13
48	1184040	2888	8815960	1186128	1·3278524	0070345	345	9929655	12
49	1186928	2888	8813072	1189031	1·3276349	0070690	345	9929310	11
50	1189816	2888	8810184	1191934	1·3274174	0071035	347	9928965	10
51	1192704	2889	8807296	1194838	1·3271997	0071382	347	9928618	9
52	1195593	2888	8804407	1197742	1·3269820	0071729	349	9928271	8
53	1198481	2887	8801519	1200646	1·3267644	0072078	349	9927922	7
54	1201368	2888	8798632	1203550	1·3265468	0072427	349	9927573	6
55	1204256	2888	8795744	1206453	1·3263291	0072776	351	9927224	5
56 57 58 59 60	1207144 1210031 1212919 1215806 1218693	2887 2888 2887 2887	8792856 8789969 8787081 8784194 8781307	$\begin{array}{c} 1209356 \\ 1212260 \\ 1215164 \\ 1218067 \\ 1220970 \end{array}$	1·3261114 1·3258936 1·3256758 1·3254579 1·3252400	0073127 0073479 0073831 0074184 0074538	352 352 353 354	9926873 9926521 9926169 9925816 9925462	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'
			27.4 (0777					D 00	<u> </u>

Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
1919609		9791907	1990070	1.2252400	0074538		0025462	60
						355		59
		9775599					9924751	58
1227355								57
					0075963			56
		8766872			0076321		9923679	55
					0076691		0099910	54
								53
	2887			1.3234964	0077401		9922599	52
1244674	2886			1.3232782	0077763		9922237	51
1247560		8752440	1250004	1.3230600	0078126		9921874	50
1250446		8740554	1959907	1.2228410	0078489		0091511	49
			1255810					48
			1258713		0079218			47
1259104		8740896		1.3221872	0079584		9920416	46
1261990		8738010	1264519	1.3219690	0079951		9920049	45
1264875		8735125	1267422	1:3217508	0080318		9919682	44
					0080686			43
1270646		8729354	1273228	1.3213140	0081056		9918944	42
1273531		8726469	1276131	1.3210956	0081426	270	9918574	41
1276416		8723584	1279034	1.3208772	0081796	372	9918204	40
1279302		8720698	1281937	1:3206588	0082168		9917832	39
1282186						373		38
1285071				1.3202219	0082914	373		37
1287956		8712044	1290646	1.3200034	0083288		9916712	36
1290841		8709159	1293549	1.3197848	0083663		9916337	35
1293725		8706275	1296452	1.3195662	0084039		9915961	34
						377		33
1299494				1.3191290	0084794	378		32
1302378		8697622	1305160	1.3189103	0085172	970	9914828	31
1305262		8694738	1308062	1.3186916	0085551		9914449	30
1308146		8691854	1310965	1.3184729	0085931		9914069	29
1311030		8688970		1.3182542	0086312	381	9913688	28
1313913		8686087	1316770	1.3180354	0086694		9913306	27
								26
1319681		8680319	1322575	1.3175978	0087460		9912540	25
1322564		8677436	1325478	1.3173790	0087845		9912155	24
		8674553	1328380	1.3171601			9911770	23
		8671670	1331282				9911384	22
			1334185			387		21
1334096	2883	8665904	1337088	1.3165032	0089390		9910610	20
1336979	9888	8663021	1339990	1.3162842	0089779		9910221	19
1339862			1342892					18
1342744			1345795					17
	2882					392		16
	2883		1351600			393		15
	2882	8648608	1354502	1.3151888	0091734	292	9908266	14
		8645726			0092127	395		13
	2882		1360306		0092522	395		12
	2881	8639962	1363208			396		11 10
	2882					397		
	2882		1369012	1.3140927		397		9
	2881					399		8 7
	2881					399		6
1377327	2882	8622672				401		5
	2881					401		1
	2881					402		3
	2881					402		2
	2880					404		1
1391731	2881	8608269				404	9902681	ō
Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	1218693 1221881 1224468 1227355 1230241 1233128 1236015 1238901 1241788 1244674 1247560 1250446 1253332 1256218 1259104 1261990 1264875 1267761 1270646 1273531 1276416 1273531 1276416 1279302 1282186 1285071 1299494 13022547 1299494 1302254 1311030 1313913 1316797 1319681 1325447 1325330 1331213 1316797 1319681 1322644 1325447 1325330 1331213 1316797 1348627 1348509 1351392 1354274 1345627 1348509 1351392 1354274 1357156 1360038 1360038 1360919 1365801 1366883 1371564 1374445 1371564 1371564 1371564 1371564 1371564 1371564	1218693 2888 1221581 2887 1224468 2887 1227355 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 1230241 2887 124674 2886 1247560 2836 1250218 2886 1253332 2886 1250218 2886 1253332 2886 1250218 2886 1250218 2886 1250218 2886 1250104 2886 1261990 2885 1270646 2885 1285071 2885 1285071 2885 1285071 2885 1302378 2884 130626 2884 1306166 2884 131030 2884 131030 2884 131030 2884 131061 2884 131061 2884 131061 2884 1310707 2884 131061 2883 1322544 2883 13322544 2883	1218693 2888 8781307 1221581 2887 8775532 1224468 2887 8775532 1237255 2887 8775532 1230241 2886 876575 1230241 2887 8766872 1230241 2886 8756872 1230015 2886 8768782 123801 2887 8768712 1244674 2886 8755226 1247600 2886 87552440 1250446 2886 874668 1250446 2886 874668 1250140 2886 8748782 1250140 2886 874896 1261990 2885 874896 1261990 2885 8735125 1270646 2886 8735253 1270646 2886 8732584 1273902 2884 8709698 128756 2884 8709159 128756 2884 8709275 129660 2884	1218698	1218698	1218693	1216698	1218603

	8 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	1391731	2881	8608269	1395130	1·3121180	0097319	406	9902681	60
1	1394612	2880	8605388	1398032	1·3118985	0097725	406	9902275	59
2	1397492	2880	8602508	1400934	1·3116790	0098131	407	9901869	58
3	1400372	2880	8599628	1403835	1·3114593	0098538	407	9901462	57
4	1403252	2880	8596748	1406736	1·3112396	0098945	409	9901055	56
5	1406132	2880	8593868	1409638	1·3110200	0099354	409	9900646	55
6 7 8 9 10	1409012 1411892 1414772 1417651 1420531	2880 2880 2879 2880 2879	8590988 8588108 8585228 8582349 8579469	1412540 1415441 1418342 1421244 1424146	1°3108004 1°3105806 1°3103608 1°3101411 1°3099214	0099763 0100174 0100585 0100997 0101410	411 411 412 413 413	9900237 9899826 9899415 9899003 9898590	54 52 51 50
11	1423410	2879	8576590	1427047	1:3097015	0101823	415	9898177	49
12	1426289	2879	8573711	1429948	1:3094816	0102238	415	9897762	48
13	1429168	2879	8570832	1432850	1:3092617	0102653	416	9897347	47
14	1432047	2879	8567953	1435752	1:3090418	0103069	417	9896931	46
15	1434926	2879	8565074	1438653	1:3088219	0103486	418	9896514	45
16	1437805	2879	8562195	1441554	1:3086020	0103904	419	9896096	44
17	1440684	2878	8559316	1444455	1:3083820	0104323	419	9895677	43
18	1443562	2878	8556438	1447356	1:3081620	0104742	420	9895258	42
19	1446440	2879	8553560	1450258	1:3079419	0105162	422	9894838	41
20	1449319	2878	8550681	1453160	1:3077218	0105584	422	9894416	40
21	1452197	2878	8547803	1456061	1°3075017	0106006	422	9893994	39
22	1455075	2878	8544925	1458962	1°3072816	0106428	424	9893572	38
23	1457953	2877	8542047	1461863	1°3070614	0106852	425	9893148	37
24	1460830	2878	8539170	1464764	1°3068412	0107277	425	9892723	36
25	1463708	2877	8536292	1467665	1°3066210	0107702	426	9892298	35
26	1466585	2878	8533415	1470566	1:3064008	0108128	427	9891872	34
27	1469463	2877	8530537	1473467	1:3061805	0108555	428	9891445	33
28	1472340	2877	8527660	1476368	1:3059602	0108983	429	9891017	32
29	1475217	2877	8524783	1479269	1:3057399	0109412	429	9890588	31
30	1478094	2877	8521906	1482170	1:3055196	0109841	431	9890159	30
31	1480971	2877	8519029	1485071	1:3052992	0110272	431	9889728	29
32	1483848	2876	8516152	1487972	1:3050788	0110703	432	9889297	28
33	1486724	2877	8513276	1490873	1:3048583	0111135	433	9888865	27
34	1489601	2876	8510399	1493774	1:3046378	0111568	434	9888432	26
35	1492477	2876	8507523	1496674	1:3044173	0112002	434	9887998	25
36	1495353	2877	8504647	1499574	1:3041968	0112436	436	9887564	24
37	1498230	2876	8501770	1502475	1:3039762	0112872	436	9887128	23
38	1501106	2875	8498894	1505376	1:3037556	0113308	437	9886692	22
39	1503981	2876	8496019	1508277	1:3035350	0113745	438	9886255	21
40	1506857	2876	8493143	1511178	1:3033144	0114183	439	9885817	20
41	1509733	2875	8490267	1514078	1:3030938	0114622	439	9885378	19
42	1512608	2876	8487392	1516978	1:3028732	0115061	441	9884939	18
43	1515484	2875	8484516	1519879	1:3026524	0115502	441	9884498	17
44	1518359	2875	8481641	1522780	1:3024316	0115943	442	9884057	16
45	1521234	2875	8478766	1525680	1:3022109	0116385	443	9883615	15
46 47 48 49 50	1524109 1526984 1529858 1532733 1535607	2875 2874 2875 2874 2874 2875	8475891 8473016 8470142 8467267 8464393	1528580 1531480 1534380 1537281 1540182	1·3019902 1·3017693 1·3015484 1·3013275 1·3011066	0116828 0117272 0117716 0118162 0118608	444 444 446 446 447	9883172 9882728 9882284 9881838 9881392	14 13 12 11 10
51 52 53 54 55	1538482 1541356 1544230 1547104 1549978	2874 2874 2874 2874 2874 2873	8461518 8458644 8455770 8452896 8450022	1543082 1545982 1548882 1551782 1554682	1·3008857 1·3006648 1·3004438 1·3002228 1·3000017	0119055 0119503 0119952 0120401 0120852	448 449 449 451 451	9880945 9880497 9880048 9879599 9879148	9 8 7 6 5
56 57 58 59 60	1552851 1555725 1558598 1561472 1564345	2874 2873 2874 2873	8447149 8444275 8441402 8438528 8435655	1557582 1560482 1563382 1566282 1569182	1·2997806 1·2995595 1·2993384 1·2991172 1·2988960	0121303 0121755 0122208 0122662 0123117	452 453 454 455	9878697 9878245 9877792 9877338 9876883	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	(
10	071		NT A FEIT	DAT CINI	TO COCINE				`

	9 Deg.								
				*					
′	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	'
0	1564345	2020	8435655	1569182	1.2988960	0123117	455	9876883	60
1	1567218	2873	8432782	1572082	1.2986748	0123572	455 456	9876428	59
2	1570091	2873	8429909	1574982	1.2984536	0124028	458	9875972	58
3	1572963	$2872 \\ 2873$	8427037	1577882	1.2982324	0124486	457	9875514	57
4	1575836	2872	8424164	1580782	1.2980112	0124943	459	9875057	56
5	1578708	2873	8421292	1583681	1.2977898	0125402	460	9874598	55
6	1581581	2872	8418419	1586580	1.2975684	0125862	460	9874138	54
7	1584453	2872	8415547	1589480	1.2973470	0126322	462	9873678	53 52
8 9	1587325 1590197	2872	8412675 8409803	1592380 1595280	1.2971256	0126784	462	9873216 9872754	51
10	1593069	2872	8406931	1598180	1.2969042 1.2966828	0127246 0127709	463	9872291	50
- 1		2871					464		49
11	1595940 1598812	2872	8404060 8401188	1601079 1603978	1.2964613 1.2962398	0128173 0128637	464	9871827 9871363	48
13	1601683	2871	8398317	1606878	1.2960183	0129103	466	9870897	47
14	1604555	2872	8395445	1609778	1 2957968	0129569	466	9870431	46
15	1607426	$2871 \\ 2871$	8392574	1612677	1.2955751	0130036	467	9869964	45
16	1610297		8389703	1615576	1.2953534	0130504	468	9869496	44
17	1613167	2870	8386833	1618475	1.2951318	0130973	469	9869027	43
18	1616038	$2871 \\ 2871$	8383962	1621374	1.2949102	0131443	470	9868557	42
19	1618909	2871	8381091	1624274	1.2946885	0131913	470 472	9868087	41
20	1621779	2871	8378221	1627174	1.2944668	0132385	472	9867615	40
21	1624650	2870	8375350	1630073	1.2942450	0132857	473	9867143	39
22	1627520	2870	8372480	1632972	1.2940232	0133330	473	9866670	38
23	1630390	2870	8369610	1635871	1.2938014	0133804	474	9866196	37
24	1633260	2869	8366740	1638770	1.2935796	0134278	476	9865722	36
25	1636129	2870	8363871	1641669	1.2933577	0134754	476	9865246	35
26	1638999	2869	8361001	1644568	1.2931358	0135230	477	9864770	34
27	1641868	2870	8358132	1647467	1.2929139	0135707	478	9864293	33
28 29	1644738 1647607	2869	8355262 8352393	1650366 1653265	1·2926920 1·2924700	0136185 0136664	479	9863815 9863336	32 31
30	1650476	2869	8349524	1656164	1.2922480	0137144	480	9862856	30
31	1653345	2 8 6 9	8346655	1659063	1.2920259	0137625	481	9862375	29
32	1656214	2869	8343786	1661962	1.2918038	0137025	481	9861894	28
33	1659082	2868	8340918	1664861	1.2915817	0138588	482	9861412	27
34	1661951	2869	8338049	1667760	1.2913596	0139071	483	9860929	26
35	1664819	2868 2868	8335181	1670658	1.2911375	0139555	484 485	9860445	25
36	1667687	2869	8332313	1673556	1.2909154	0140040		9859960	24
37	1670556	2867	8329444	1676455	1.2906932	0140525	485	9859475	23
38	1673423	2868	8326577	1679354	1.2904710	0141012	487 487	9858988	22
39	1676291	2868	8323709	1682253	1.2902487	0141499	488	9858501	21
40	1679159	2867	8320841	1685152	1.2900264	0141987	489	9858013	20
41	1682026	2868	8317974	1688050	1.2898041	0142476	489	9857524	19
42	1684894	2867	8315106	1690948	1.2895818	0142965	491	9857035	18
43	1687761 1690628	2867	8312239 8309372	1693847	1.2893594	0143456	491	9856544 9856053	17
45	1693495	2867	8306505	1696746 1699644	1.2891370 1.2889146	0143947 0144439	492	9855561	15
46	1696362	2867	8303638	1702542	1.2886922	0144932	493	9855068	14
47	1699228	2866	8300772	1702542	1.2884697	0144932	494	9854574	13
48	1702095	2867	8297905	1708338	1.2882472	0145420	495	9854079	12
49	1704961	2866	8295039	1711236	1.2880247	0146417	496	9853583	ii
50	1707828	2867 2866	8292172	1714134	1.2878022	0146913	496 497	9853087	10
51	1710694	2866	8289306	1717033	1-2875796	0147410		9852590	9
52	1713560	2865	8286440	1719932	1.2873570	0147908	498 499	9852092	8
53	1716425	2866	8283575	1722830	1-2871344	0148407	500	9851593	7
54 55	1719291 1722156	2865	8280709 8277844	$\begin{array}{c} 1725728 \\ 1728626 \end{array}$	1.2869118 1.2866891	0148907	500	9851093 9850593	8 7 6 5
		2866				0149407	502		
56 57	1725022 1727887	2865	8274978 8272113	1731524 1734422	1.2864664 1.2862436	0149909 0150411	502	9850091 9849589	4 3 2 1
58	1730752	2865	8269248	1737320	1.2860208	0150411	503	9849086	2
59	1733617	2865	8266383	1740217	1.2857980	0151418	504	9848582	1
60	1736482	2865	8263518	1743114	1.2855752	0151922	504	9848078	0
,		Total							
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
	1				1				

	10 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	1786482	2864	8263518	1743114	1·2855752	0151922	506	9848078	60
1	1739346	2865	8260654	1746012	1·2853523	0152428	506	9847572	59
2	1742211	2864	8257789	1748910	1·2851294	0152934	508	9847066	58
3	1745075	2864	8254925	1751808	1·2849065	0153442	508	9846558	57
4	1747939	2864	8252061	1754706	1·2846836	0153950	508	9846050	56
5	1750803	2864	8249197	1757604	1·2844607	0154458	510	9845542	55
6	1753667	2864	8246333	1760502	1·2842378	0154968	511	9845032	54
7	1756531	2864	8243469	1763399	1·2840147	0155479	511	9844521	53
8	1759395	2863	8240605	1766296	1·2837916	0155990	512	9844010	52
9	1762258	2863	8237742	1769194	1·2835686	0156502	513	9843498	51
10	1765121	2863	8234879	1772092	1·2833456	0157015	514	9842985	50
11	1767984	2863	8232016	1774989	1·2831224	0157529	515	9842471	49
12	1770847	2863	8229153	1777886	1·2828992	0158044	515	9841956	48
13	1773710	2863	8226290	1780783	1·2826760	0158559	517	9841441	47
14	1776573	2862	8223427	1783680	1·2824528	0159076	517	9840924	46
15	1779435	2862	8220565	1786578	1·2822296	0159593	517	9840407	45
16	1782298	2862	8217702	1789476	1·2820064	0160111	519	9839889	44
17	1785160	2862	8214840	1792373	1·2817831	0160630	520	9839370	43
18	1788022	2862	8211978	1795270	1·2815598	0161150	520	9838850	42
19	1790884	2862	8209116	1798167	1·2813365	0161670	522	9838330	41
20	1793746	2861	8206254	1801064	1·2811132	0162192	522	9837808	40
21	1796607	2862	8203393	1803961	1·2808898	0162714	523	9837286	39
22	1799469	2861	8200531	1806858	1·2806664	0163237	524	9836763	38
23	1802330	2861	8197670	1809755	1·2804429	0163761	524	9836239	37
24	1805191	2861	8194809	1812652	1·2802194	0164285	526	9835715	36
25	1808052	2861	8191948	1815549	1·2799959	0164811	526	9835189	35
26	1810913	2861	8189087	1818446	1·2797724	0165337	527	9834663	34
27	1813774	2861	8186226	1821342	1·2795488	0165864	528	9834136	33
28	1816635	2860	8183365	1824238	1·2793252	0166392	529	9833608	32
29	1819495	2860	8180505	1827135	1·2791016	0166921	530	9833079	31
30	1822355	2860	8177645	1830032	1·2788780	0167451	530	9832549	30
31	1825215	2860	8174785	1832929	1·2786543	0167981	532	9832019	29
32	1828075	2860	8171925	1835826	1·2784306	0168513	532	9831487	28
33	1830935	2860	8169065	1838722	1·2782069	0169045	533	9830955	27
34	1833795	2859	8166205	1841618	1·2779832	0169578	534	9830422	26
35	1836654	2860	8163346	1844515	1·2777594	0170112	535	9829888	25
36	1839514	2859	8160486	1847412	1·2775356	0170647	535	9829353	24
37	1842373	2859	8157627	1850308	1·2773118	0171182	536	9828818	23
38	1845232	2859	8154768	1853204	1·2770880	0171718	538	9828282	22
39	1848091	2858	8151909	1856101	1·2768641	0172256	538	9827744	21
40	1850949	2858	8149051	1858998	1·2766402	0172794	538	9827206	20
41 42 43 44 45	1853808 1856666 1859524 1862382 1865240	2858 2858 2858 2858 2858 2858	8146192 8143334 8140476 8137618 8134760	1861894 1864790 1867686 1870582 1873478	1.2764162 1.2761922 1.2759682 1.2757442 1.2755202	0173332 0173872 0174413 0174954 0175496	540 541 541 542 543	9826668 9826128 9825587 9825046 9824504	19 18 17 16 15
46	1868098	2858	8131902	1876374	1·2752962	0176039	544	9823961	14
47	1870956	2857	8129044	1879270	1·2750721	0176583	544	9823417	13
48	1873813	2857	8126187	1882166	1·2748480	0177127	546	9822873	12
49	1876670	2858	8123330	1885062	1·2746238	0177673	546	9822327	11
50	1879528	2858	8120472	1887958	1·2743996	0178219	547	9821781	10
51	1882385	2856	8117615	1890854	1·2741754	0178766	548	9821234	9
52	1885241	2857	8114759	1893750	1·2739512	0179314	549	9820686	8
53	1888098	2856	8111902	1896646	1·2737269	0179863	550	9820137	7
54	1890954	2857	8109046	1899542	1·2735026	0180413	550	9819587	6
55	1893811	2856	8106189	1902437	1·2732783	0180963	552	9819037	5
56 57 58 59 60	1896667 1899523 1902379 1905234 1908090	2856 2856 2855 2856	8103333 8100477 8097621 8094766 8091910	1905332 1908228 1911124 1914020 1916916	1·2730540 1·2728296 1·2726052 1·2723808 1·2721564	0181515 0182067 0182620 0183174 0183728	552 553 554 554	9818485 9817933 9817380 9816826 9816272	3 2 1 0
ľ	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	′
1	<u> </u>				1				!

	11 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4 5	1908090 1910945 1913801 1916656 1919510 1922365	2855 2856 2855 2854 2855 2855	8091910 8089055 8086199 8083344 8080490 8077635	1916916 1919811 1922706 1925601 1928496 1931392	1.2721564 1.2719319 1.2717074 1.2714829 1.2712584 1.2710338	0183728 0184284 0184840 0185397 0185955 0186514	556 556 557 558 559 559	9816272 9815716 9815160 9814603 9814045 9813486	59 58 57 56 55
6	1925220	2854	8074780	1934288	1·2708092	0187073	561	9812927	54
7	1928074	2854	8071926	1937183	1·2705846	0187634	561	9812366	53
8	1930928	2854	8069072	1940078	1·2703600	0188195	562	9811805	52
9	1933782	2854	8066218	1942973	1·2701353	0188757	563	9811243	51
10	1936636	2854	8063364	1945868	1·2699106	0189320	564	9810680	50
11	1939490	2854	8060510	1948763	1·2696858	0189884	564	9810116	49
12	1942344	2853	8057656	1951658	1·2694610	0190448	566	9809552	48
13	1945197	2853	8054803	1954553	1·2692362	0191014	566	9808986	47
14	1948050	2853	8051950	1957448	1·2690114	0191580	567	9808420	46
15	1950903	2853	8049097	1960343	1·2687865	0192147	568	9807853	45
16	1953756	2853	8046244	1963238	1·2685616	0192715	569	9807285	44
17	1956609	2852	8043391	1966133	1·2683367	0193284	569	9806716	43
18	1959461	2853	8040539	1969028	1·2681118	0193853	571	9806147	42
19	1962314	2852	8037686	1971922	1·2678869	0194424	571	9805576	41
20	- 1965166	2852	8034834	1974816	1·2676620	0194995	572	9805005	40
21	1968018	2852	8031982	1977711	1·2674369	0195567	573	9804433	39
22	1970870	2852	8029130	1980606	1·2672118	0196140	574	9803860	38
23	1973722	2851	8026278	1983500	1·2669868	0196714	574	9803286	37
24	1976573	2852	8023427	1986394	1·2667618	0197288	576	9802712	36
25	1979425	2851	8020575	1989289	1·2665366	0197864	576	9802136	35
26	1982276	2851	8017724	1992184	1·2663114	0198440	577	9801560	34
27	1985127	2851	8014873	1995078	1·2660863	0199017	578	9800983	33
28	1987978	2851	8012022	1997972	1·2658612	0199595	578	9800405	32
29	1990829	2850	8009171	2000867	1·2656359	0200173	580	9799827	31
30	1993679	2851	8006321	2003762	1·2654106	0200753	580	9799247	30
31	1996530	2850	8003470	2006656	1·2651853	0201333	581	9798667	29
32	1999380	2850	8000620	2009550	1·2649600	0201914	582	9798086	28
33	2002230	2850	7997770	2012444	1·2647347	0202496	583	9797504	27
34	2005080	2850	7994920	2015338	1·2645094	0203079	584	9796921	26
35	2007930	2849	7992070	2018232	1·2642840	0203663	585	9796337	25
36	2010779	2850	7989221	2021126	1·2640586	0204248	585	9795752	24
37	2013629	2849	7986371	2024020	1·2638332	0204833	586	9795167	23
38	2016478	2849	7983522	2026914	1·2636078	0205419	587	9794581	22
39	2019327	2849	7980673	2029808	1·2633823	0206006	588	9793994	21
40	2022176	2848	7977824	2032702	1·2631568	0206594	588	9793406	20
41	2025024	2849	7974976	2035596	1·2629312	0207182	590	9792818	19
42	2027873	2848	7972127	2038490	1·2627056	0207772	590	9792228	18
43	2030721	2848	7969279	2041383	1·2624800	0208362	591	9791638	17
44	2033569	2849	7966431	2044276	1·2622544	0208953	592	9791047	16
45	2036418	2847	7963582	2047170	1·2620287	0209545	593	9790455	15
46	2039265	2848	7960735	2050064	1·2618030	0210138	594	9789862	14
47	2042113	2848	7957887	2052957	1·2615773	0210732	594	9789268	13
48	2044961	2847	7955039	2055850	1·2613516	0211326	595	9788674	12
49	2047808	2847	7952192	2058744	1·2611258	0211921	596	9788079	11
50	2050655	2847	7949345	2061638	1·2609000	0212517	597	9787483	10
51	2053502	2847	7946498	2064531	1·2606742	0213114	598	9786886	9
52	2056349	2846	7943651	2067424	1·2604484	0213712	599	9786288	8
53	2059195	2847	7940805	2070317	1·2602225	0214311	599	9785689	7
54	2062042	2846	7937958	2073210	1·2599966	0214910	600	9785090	6
55	2064888	2846	7935112	2076104	1·2597707	0215510	601	9784490	5
56 57 58 59 60	2067734 2070580 2073426 2076272 2079117	2846 2846 2846 2845	7932266 7929420 7926574 7923728 7920883	2078998 2081891 2084784 2087677 2090570	1°2595448 1°2593188 1°2590928 1°2588668 1°2586408	0216111 0216713 0217316 0217920 0218524	602 603 604 604	9783889 9783287 9782684 9782080 9781476	4 3 2 1 0
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	1		and the same of						1

Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
2079117	9945	7920883	2090570	1.2586408	0218524	605	9781476	60
2081962		7918038	2093463	1.2584147	0219129		9780871	59
2084807		7915193					9780265	58
2087652		7912348		1.2579625	0220342		9779658	57
2090497	2040	7909503	2102140	1.2577364	0220950		9779050	56
2093341	2844	7906659	2105033	1.2575102	0221558		9778442	55
9006186		7003814	9107096	1:0570940	0000160		0777839	54
							0777999	53
						611		52
								51
								50
						614		49
						614		48
								47
								46
								45
	2842					618		
	2843					618		44
	2842			1.2547939		619		43
	2842			1.0540074		620		42
	2842					621		41
	2841					622		1
2138829	2842	7861171	2151312	1.2538876	0231407	623	9768593	39
				1.2536610				38
								37
				1.2532076				36
2150194	2841	7849806	2162879	1.2529809	0233902	626	9766098	35
2153035	9841	7846965	2165770	1.2527542	0234528	697	9765472	34
2155876		7844124	2168662	1.2525274	0235155		9764845	33
2158716					0235782			32
2161556					0236411			31
2164396		7835604	2177338	1.2518470	0237040		9762960	30
2167236		7832764	2180229	1.2516201	0237670		9762330	29
2170076		7829924	2183120	1.2513932	0238301		9761699	28
2172915		7827085	2186012	1.2511662	0238932		9761068	27
		7824246	2188904	1.2509392	0239565		9760435	26
2178593		7821407	2191795	1.2507123	0240198		9759802	25
2181432		7818568	2194686	1.2504854	0240832		9759168	24
								23
								22
2189948		7810052		1.2498041				21
2192786		7807214	2206252	1.2495770	0243377		9756623	20
2195624		7804376	2209143	1.2493499	0244015		9755985	19
2198462			2212034	1.2491228				18
2201300				1.2488956			9754706	17
2204137		7795863	2217816	1.2486684	0245935		9754065	16
2206974		7793026	2220707	1.2484411	0246577		9753423	15
2209811		7790189	2223598	1.2482138	0247219		9752781	14
								13
			2229378	1.2477592				12
2218321			2232269	1.2475318				11
2221158		7778842	2235160	1.2473044	0249797		9750203	10
								9
2226830			2240942					8
2229666			2243832	1 2466222			9748261	7
2232501								6
2235337	2825	7764663	2249613	1.2461672	0253038		9746962	5
2238172		7761828	2252504	1.2459396	0253689		9746311	4
								3
2243842		7756158					9745008	2
2246676		7753324	2261174	1.2452569	0255645		9744355	ī
2249511	2835	7750489	2264064	1.2450292	0256299	654	9743701	Ô
Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
	2079117 2081962 2084807 2087652 2090497 2090481 2090186 20909080 2101874 2104718 2107765 2113248 2116001 2118934 2121777 212462 2130304 21218914 21231601 2138148 212160101 2138148 2138198 2138198 2138197 2144612 2144612 2144612 2144612 2144753 2150104 2150876 214676 2179716 22790871 22790871	2079117 2845 2081962 2845 2084807 2845 2094807 2845 2090497 2845 2090381 2844 2090381 2844 2101874 2844 2104718 2843 2107561 2843 2113248 2843 21110405 2844 21104718 2843 21113248 2843 2111091 2843 2111777 2842 2113004 2842 2124619 2127462 213304 2842 2135988 2841 2135988 2841 2135988 2841 2144612 2842 2135988 2841 2145598 2841 214671 2841 2144612 2842 2135988 2841 214671 2841 214671 2841 214671 2841 214671 2841 214671 2841 214671 2841 214671 2841 214671 2841 215095 2841 2175795 2840 216736 2840 2175754 2839 2175754 2839 217589 2839 2175754 2839 2175764 2839 2175764 2839 2175764 2839 2175764 2839 2175764 2839 2175764 2	2079117 2845 7920883 2081962 2845 7918038 2081807 2845 7918038 2081807 2845 7912343 2009307 2845 7900503 2093341 2844 7900659 2090318 2844 7900851 2090318 2844 7900851 2104718 2844 7805282 2104718 2844 7805282 2104718 2844 7805282 21104718 2844 7805282 21104718 2844 7805282 21104718 2844 7890283 2110405 2843 7889505 2113248 2843 78896752 2113248 2843 7881066 2113248 2843 7881066 2113248 2843 7881066 2113248 2843 7881066 2113248 2844 7850523 2116091 2844 7875233 2124619 2842 7876533 2124619 2842 7876534 2127462 2843 7875381 2127462 2844 7875283 2130304 2842 7806854 21351898 2841 7866012 2138829 2842 7806854 2135189 2842 7806854 2135189 2842 7806854 2135189 2842 7806854 2135189 2842 7806854 2135189 2841 7856492 2138829 2842 7806854 2135189 2841 7852487 2150194 2841 7852487 2150194 2841 7852687 21550194 2841 7832604 2155036 2840 7831284 2164396 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2167236 2840 7835604 2175593 2839 78219407 218948 2838 7801288 22175754 2839 782992 2175754 2839 7815729 2187110 2837 789056 218948 2838 7807214 2198462 2838 7807214 2198462 2838 7807214 2198462 2838 7807214 2198462 2838 779008 2200911 2837 779800 2204137 2837 779802 220994 2837 779802 2221158 2836 7778402 2221158 2836 7778402 2221158 2836 7778402 22221158 2836 7778402 2223537 2836 77764663 2232501 2836 77764663 2232501 2836 77764663	2079117 2845 7920883 2090570 2081962 2845 7915038 2093463 2084807 2845 7915193 2096356 2087652 2845 7915038 2093463 2090497 2844 7900659 2105083 2090497 2844 7900659 2105083 2090486 2844 7900659 2105083 2090186 2844 7900659 2105083 2090186 2844 7900659 2105083 210174 2844 7890528 2113712 2104718 2844 7898126 2113712 2104718 2843 7889595 2113712 2104718 2843 7889595 21228892 2113045 2843 7889595 21228892 2118934 2843 7889596 21228892 2118934 2843 7881066 2131066 2121777 2842 7878223 2133958 2124619 2843 7889066 2131066 2121777 2842 7876823 2133958 2124619 2843 7889066 2131066 2121777 2842 78768966 2131668 2121777 2842 78768969 2142636 2127462 2843 788060 2142636 2127462 2843 788060 2142636 2127462 2844 7869696 2142636 2127462 2844 7869696 2142636 2127462 2841 7856348 2157096 2138829 2842 786084 2145528 213898 2841 784065 2165770 2141671 2841 7859487 215988 2150194 2841 784966 2162879 2155876 2840 7884124 2168662 2155716 2840 7884124 2168662 2155876 2840 7884124 2171564 2164396 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2177338 2167236 2840 7835604 2179388 2179076 2839 7827055 2186012 2175754 2839 7815799 2197577 2157110 2838 7815890 2200468 2184271 2839 7815799 2197577 2157110 2838 7815890 2200468 2184271 2839 7815799 2197577 2157110 2838 7815890 2200468 2192786 2838 7807714 2206252 2215684 2837 7779508 2217616 22206974 2837 7779568 2217616 22206974 2837 7779588 2226389 22212684 2838 7776842 2223560 2223531 28367 7776846 2229378 2221568 2836 7776842 22232500 2223531 223357 2335 7776400 2236561 2223531 23357 2335 77764663 2246792 2235504 2241070 2835 7776863 22266978 2223531 2335 7776863 2226693	2079117	2079117	2076117	2079117

	13 Deg.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	2249511		7750400	0004004	1.2450292	0256299		9743701	60
1	2252345	2834	7750489 7747655	2264064 2266954	1.2448016	0256954	655	9743046	59
2	2255179	2834	7744821	2269844	1.2445740	0257610	656	9742390	58
3	2258013	2834	7741987	2272734	1.2443462	0258266	656	9741734	57
4	2260846	2833	7739154	2275624	1.2441184	0258923	657	9741077	56
5	2263680	2834	7736320	2278514	1.2438906	0259581	658	9740419	55
6	2266513	2833	7733487		1.2436628	0260240	659	9739760	54
7	2269346	2833	7730654	2281404 2284294	1.2434350	0260900	660	9739100	53
8	2272179	2833	7727821	2287184	1.2432072	0261561	661	9738439	52
9	2275012	2833	7724988	2290074	1.2429793	0262222	661	9737778	51
10	2277844	2832	7722156	2292964	1.2427514	0262884	662 663	9737116	50
11	2280677	2833	7719323	2295854	1.2425235	0263547		9736453	49
12	2283509	2832	7716491	2298744	1.2422956	0264211	664	9735789	48
13	2286341	2832	7713659	2301633	1.2420676	0264876	665	9735124	47
14	2289172	2831	7710828	2304522	1.2418396	0265541	665	9734459	46
15	2292004	$2832 \\ 2831$	7707996	2307412	1.2416115	0266207	666 668	9733793	45
16	2294835		7705165	2310302	1.2413834	0266875		9733125	44
17	2297666	2831	7702334	2313191	1.2411553	0267542	667	9732458	43
18	2300497	2831	7699503	2316080	1.2409272	0267342	669	9731789	42
19	2303328	2831	7696672	2318969	1.2406991	0268881	670	9731119	41
20	2306159	2831	7693841	2321858	1.2404710	0269551	670	9730449	40
21	2308989	2830	7691011	2324747	1.2402428	0270223	672	9729777	39
22	2311819	2830	7688181	2327636	1.2402428	0270223	672	9729105	38
23	2314649	2830	7685351	2330525	1.2397863	0271568	673	9728432	37
24	2317479	2830	7682521	2333414	1.2395580	0272241	673	9727759	36
25	2320309	2830	7679691	2336303	1.2393297	0272916	675	9727084	35
26		2829					675		34
27	2323138	2829	7676862	2339192	1.2391014 1.2388731	0273591 0274267	676	9726409 9725733	33
28	2325967 2328 796	2829	7674033 7671204	2342081 2344970	1.2386448	0274944	677	9725056	32
29	2331625	2829	7668375	2347859	1.2384163	0275622	678	9724378	31
30	2334454	2829	7665546	2350748	1.2381878	0276301	679	9723699	30
31		2828			1.2379594	0276980	679	9723020	700
32	2337282	2828	7662718	2353637	1.2379394		681	9722339	29
33	2340110 2342938	2 828	7659890	2356526	1.2375025	$0277661 \\ 0278342$	681	9721658	28 27
34	2345766	2828	7657062 7654234	2359414 2362302	1.2372740	0279024	682	9720976	26
35	2348594	2828	7651406	2365191	1.2370454	0279706	682	9720294	25
		2827					684		
36 37	2351421 2354248	2827	7648579	2368080	1·2368168 1·2365882	0280390 0281074	684	9719610 9718926	24
38	2357075	2827	7645752 7642925	2370968	1.2363596	0281760	686	9718926	23
39	2359902	2827	7640098	2373856 2376744	1.2361309	0282446	686	9717554	21
40	2362729	2827	7637271	2379632	1.2359022	0283133	687	9716867	20
		2826					687		100
41	2365555	2826	7634445	2382520	1.2356735 1.2354448	0283820	689	9716180	19
43	2368381 2371207	2826	7631619	2385408	1.2352160	0284509 0285198	689	9715491	18 17
44	2374033	2826	7628793 7625967	2388297 2391186	1.2349872	0285888	690	9714802 9714112	16
45	2376859	2826	7623141	2394074	1.2347584	0286579	691	9713421	15
		2825					692		
46	2379684 2382510	2826	7620316	2396962	1·2345296 1·2343007	0287271 0287964	693	9712729	14
48	2382510	2825	7617490	2399849	1.2343007	0287964	693	9712036	13
49	2388159	2824	7614665 . 7611841	2402736 2405624	1.2338428	0289351	694	9711343 9710649	12 11
50	2390984	2825	7609016	2408512	1.2336138	0290047	696	9709953	10
		2824					695		
51	2393808	2825	7606192	2411400	1.2333849	0290742	697	9709258	9
52 53	2396633 2399457	2824	7603367 7600543	2414288 2417175	1.2331560 1.2329269	$0291439 \\ 0292137$	698	9708561 9707863	8
54	2402280	2823	7597720	2417175	1.2326978	0292137	698	9707863	6
55	2405104	2824	7594896	2422950	1.2324687	0293534	699	9706466	9 8 7 6 5
	2407927	2823					700		1
56 57	2407927 2410751	2824	7592073 7589249	2425838 9499795	1·2322396 1·2320105	0294234 0294935	701	9705766	4
58	2410751	2823	7589249	2428725 2431612	1.2320105	0294935	702	9705065 9704363	3
59	2416396	2822	7583604	2434499	1.2315522	0296339	702	9703661	1
60	2419219	2823	7580781	2437386	1.23132230	0297043	704	9702957	3 2 1 0
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1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
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. 1			- 7-860						1

14 Deg.

	14 Deg.								
, (Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	0410010								60
	2419219 2422041	2822	7580781	2437386	1.2313230	0297043	704	9702957	59
1		2822	7577959	2440274	1.2310937	0297747	705	9702253	
2	2424863	2822	7575137	2443162	1.2308644	0298452	706	9701548	58
3	2427685	2822	7572315	2446049	1.2306351	0299158	706	9700842	57
4	2430507	2822	7569493	2448936	1.2304058	0299864	708	9700136	56
5	2433329	2821	7566671	2451823	1.2301765	0300572	708	9699428	55
6	2436150	2821	7563850	2454710	1.2299472	0301280	709	9698720	54
7	2438971	2821	7561029	2457596	1.2297178	0301989	710	9698011	53 52
8	2441792 2444613	2821	7558208 7555387	2460482 2463369	1.2294884 1.2292589	0302699 0303409	710	9697301 9696591	51
10	2444013	2820	7552567	2466256	1.2292589	0303409	712	9695879	50
		2821			l .		712		1 1
11	2450254	2820	7549746	2469143	1.2287999	0304833	714	9695167	49
12	2453074	2820	7546926	2472030	1.2285704	0305547	713	9694453	48
13	2455894	2819	7544106	2474916	1.2283408	0306260	715	9693740	47
14	2458713	2820	7541287	2477802	1.2281112	0306975	716	9693025	46
15	2461533	2819	7538467	2480689	1.2278816	0307691	716	9692309	45
16	2464352	2819	7535648	2483576	1.2276520	0308407	718	9691593	44
17	2467171	2819	7532829	2486462	1.2274224	0309125	718	9690875	43
18	2469990	2819	7530010	2489348	1.2271928	0309843	719	9690157	42
19	2472809	2818	7527191	2492234	1.2269630	0310562	719	9689438	41
20	2475627	2818	7524373	2495120	1.2267332	0311281	721	9688719	40
21	2478445	2818	7521555	2498006	1.2265035	0312002	721	9687998	39
22	2481263	2818	7518737	2500892	1.2262738	0312723	722	9687277	38
23	2484081	2818	7515919	2503778	1.2260440	0313445	723	9686555	37
24	2486899	2817	7513101	2506664	1.2258142	0314168	724	9685832	36
25	2489716	2817	7510284	2509550	1.2255843	0314892	725	9685108	35
26	2492533	2817	7507467	2512436	1.2253544	0315617	725	9684383	34
27	2495350	2817	7504650	2515322	1.2251245	0316342	727	9683658	33
28	2498167	2817	7501833	2518208	1.2248946	0317069	727	9682931	32
29	2500984	2816	7499016	2521094	1.2246646	0317796	728	9682204	31
30	2503800	2816	7496200	2523980	1.2244346	0318524	728	9681476	30
31	2506616	2816	7493384	2526865	1.2242046	0319252	730	9680748	29
32	2509432	2816	7490568	2529750	1.2239746	0319982	730	9680018	28
33	2512248	2815	7487752	2532636	1.2237445	0320712	731	9679288	27
34	2515063	2816	7484937	2535522	1.2235144	0321443	732	9678557	26
35	2517879	2815	7482121	2538407	1.2232842	0322175	733	9677825	25
36	2520694	2814	7479306	2541292	1.2230540	0322908	734	9677092	24
37	2523508	2815	7476492	2544177	1.2228239	0323642	734	9676358	23
38	2526323	2814	7473677	2547062	1.2225938	0324376	736	9675624	22
39	2529137	2815	7470863	2549947	1.2223635	0325112	736	9674888	21
40	2531952	2814	7468048	2552832	1.2221332	0325848	737	9674152	20
41	2534766	2813	7465234	2555718	1.2219029	0326585	737	9673415	19
42	2537579	2814	7462421	2558604	1.2216726	0327322	737	9672678	18
43	2540393	2813	7459607	2561488	1.2214423	0328061	739	9671939	17
44	2543206	2813	7456794	2564372	1.2212120	0328800	741	9671200	16
45	2546019	2813	7453981	2567257	1.2209816	0329541	741	9670459	15
46	2548832	2813	7451168	2570142	1.2207512	0330282	741	9669718	14
47	2551645	2813	7448355	2573027	1.2205208	0331023	741	9668977	13
48	2554458	2812	7445542	2575912	1.2202904	0331766	743	9668234	12
49	2557270	2812	7442730	2578797	1.2200599	0332510	744	9667490	11
50	2560082	2812	7439918	2581682	1.2198294	0333254	745	9666746	10
51	2562894	2811	7437106	2584566	1.2195988	0333999		9666001	9
52	2565705	2811 2812	7434295	2587450	1.2193682	0334745	$\frac{746}{747}$	9665255	8
53	2568517	2812	7431483	2590334	1.2191376	0335492	747	9664508	7 1
54	2571328	2811	7428672	2593218	1.2189070	0336239	749	9663761	6
55	2574139	2811	7425861	2596103	1.2186764	0336988	749	9663012	5
56	2576950	2810	7423050	2598988	1.2184458	0337737	750	9662263	4
57	2579760	2810	7420240	2601872	1.2182151	0338487	751	9661513	3 2
58	2582570	2811	7417430	2604756	1.2179844	0339238	751	9660762	2
59	2585381	2809	7414619	2607640	1.2177536	0339989	753	9660011	1
60	2588190		7411810	2610524	1.2175228	0340742		9659258	0
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
	000000		* 02.04	50-01101 tt	l onor	50,019,		~~~	
					l				

15 Deg.

		Dog.								
		-						- 1 -		١.
	'	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
	0	2588190	2810	7411810	2610524	1.2175228	0340742	753	9659258	60
-1	1	2591000	2810	7409000	2613408	1.2172920	0341495	754	9658505	59
	2	2593810	2809	7406190	2616292 '	1.2170612	0342249	755	9657751	58
	3	2596619	2809	7403381	2619176	1.2168304	0343004	756	9656996	57
١	4	2599428	2809	7400572	2622060	1.2165996	0343760	756	9656240	56
Ì	5	2602237	2808	7397763	2624943	1.2163687	0344516	758	9655484	55
	6	2605045	2808	7394955	2627826	1.2161378	0345274	758	9654726	54
	7 8	2607853	2809	7392147 7389338	*2630710	1.2159068 1.2156758	0346032	759	9653968 9653209	53 52
-	9	2610662 2613469	2807	7389338	2633594 2636478	1.2154448	$0346791 \\ 0347551$	760	9652449	51
	10	2616277	2808	7383723	2639362	1.2152138	0348311	760	9651689	50
	11	2619085	2808	7380915	2642245	1.2149827	0349073	762	9650927	49
	12	2621892	2807	7378108	2645128	1.2147516	0349835	762	9650165	48
	13	2624699	2807	7375301	2648011	1.2145205	0350598	763	9649402	47
-	14	2627506	2807	7372494	2650894	1.2142894	0351362	764	9648638	46
	15	2630312	2806 2806	7369688	2653777	1.2140583	0352127	765 765	9647873	45
	16	2633118	2807	7366882	2656660	1.2138272	0352892	767	9647108	44
	17	2635925	2807	7364075	2659543	1.2135960	0353659	767	9646341	43
	18	2638730	2806	7361270	2662426	1.2133648	0354426	768	9645574	42
	19	2641536	2806	7358464	2665309	1.2131335	0355194	769	9644806	41
	20	2644342	2805	7355658	2668192	1.2129022	0355963	769	9644037	40
	21	2647147	2805	7352853	2671075	1.2126709	0356732	771	9643268	39
	22	2649952	2805	7350048	2673958	1.2124396	0357503	771	9642497	38 37
	23	2652757	2804	7347243	2676841	1.2122082	0358274	772	9641726	36
	24 25	2655561 2658366	2805	7344439 7341634	2679724 2682606	1.2119768 1.2117454	0359046 0359819	773	9640954 9640181	35
			2804					774		1
	26 27	2661170 2663973	2803	7338830 7336027	2685488 2688371	1.2115140 1.2112825	0360593 0361367	774	9639407 9638633	34 33
	28	2666777	2804	7333223	2691254	1.2112525	0362142	775	9637858	32
	29	2669581	2804	7330419	2694136	1.2108195	0362919	777	9637081	31
	30	2672384	2803 2803	7327616	2697018	1.2105880	0363695	776 778	9636305	30
	31	2675187		7324813	2699901	1.2103564	0364473	779	9635527	29
	32	2677989	2802 2803	7322011	2702784	1.2101248	0365252	779	9634748	28
	33	2680792	2803	7319208	2705666	1.2098932	0366031	780	9633969	27
	34	2683594	2802	7316406	2708548	1.2096616	0366811	781	9633189	26
	35	2686396	2802	7313604	2711430	1.2094299	0367592	782	9632408	25
	36	2689198	2802	7310802	2714312	1.2091982	0368374	783	9631626	24
	37	2692000	2801	7308000	2717194	1.2089665	0369157	783	9630843	23 22
	38	2694801	2801	7305199	2720076	1.2087348 1.2085030	0369940 0370725	785	9630060	22
	39 40	2697602 2700403	2801	7302398 7299597	2722957 2725838	1.2082712	0371510	785	9629275 9628490	20
			2801			1		786		
	41	2703204	2800	7296796	2728720	1 · 2080394 1 · 2078076	0372 296 0373083	787	9627704 9626917	19 18
	42	2706004 2708805	2801 -	7293996 7291195	2731602 2734484	1 2075757	0373870	787	9626130	17
	44	2711605	2800	7288395	2737366	1.2073438	0374658	788	9625342	16
	45	2714404	2799	7285596	2740247	1.2071119	0375448	790	9624552	15
	46	2717204	2800	7282796	2743128	1.2068800	0376238	790	9623762	14
	47	2720003	2799	7279997	2746009	1.2066480	0377028	790	9622972	13
	48	2722802	2799	7277198	2748890	1.2064160	0377820	792 793	9622180	12
	49	2725601	2799	7274399	2751772	1.2061840	0378613	793	9621387	11
	50	2728400	2799 2798	7271600	2754654	1.2059520	0379406	794	9620594	10
	51	2731198	2799	7268802	2757535	1.2057199	0380200	795	9619800	9 8 7 6 5
	52	2733997	2797	7266003	2760416	1.2054878	0380995	795	9619005	8
	53 54	2736794	2798	7263206 7260408	2763297 2766178	1.2052556 1.2050234	0381790 0382587	797	9618210 9617413	6
-	55	2739592 2742390	2798	7257610	2769059	1.2047912	0383384	797	9616616	5
	56	2745187	2797	7254813	2771940	1.2045590	0384182	798	9615818	4
	57	2747984	2797	7252016	2774820	1.2043268	0384981	799	9615019	3
į	58	2750781	2797	7249219	2777700	1.2040946	0385781	800 801	9614219	2
	59	2753577	2796 2797	7246423	2780581	1.2038623	0386582	801	9613418	1
	60	2756374	4101	7243626	2783462	1.2036300	0387383	001	9612617	0
	,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
		Cosine	Dill.	vers.	Co-chord	Chora	COVEIS.	Din.	DIIIO	
										1

	16 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4	2756374 2759170 2761965 2764761 2767556	2796 2795 2796 2795	7243626 7240830 7238035 7235239 7232444	2783462 2786343 2789224 2792104 2794984	1·2036300 1·2083977 1·2031654 1·2029330 1·2027006	0387383 0388185 0388988 0389792 0390597	802 803 804 805	9612617 9611815 9611012 9610208 9609403	60 59 58 57 56
5	2770352 2773147	2796 2795	7229648	2797864	1.2024682	0391402	805 806	9608598	55
7 8 9 10	2775941 2778736 2781530 2784324	2794 2795 2794 2794 2794	7226853 7224059 7221264 7218470 7215676	2800744 2803624 2806504 2809384 2812264	1·2022358 1·2020033 1·2017708 1·2015382 1·2013056	0392208 0393016 0393823 0394632 0395442	808 807 809 810 810	9607792 9606984 9606177 9605368 9604558	54 53 52 51 50
11 12 13 14 15	2787118 2789911 2792704 2795497 2798290	2793 2793 2793 2793 2793	7212882 7210089 7207296 7204503 7201710	2815144 2818024 2820904 2823784 2826664	1·2010730 1·2008404 1·2006078 1·2003752 1·2001425	0396252 0397063 0397875 0398688 0399501	811 812 813 813 815	9603748 9602937 9602125 9601312 9600499	49 48 47 46 45
16 17 18 19 20	2801083 2803875 2806667 2809459 2812251	2792 2792 2792 2792 2791	7198917 7196125 7193333 7190541 7187749	2829544 2832423 2835302 2838182 2841062	1·1999098 1·1996770 1·1994442 1·1992114 1·1989786	0400316 0401131 0401947 0402764 0403582	815 816 817 818 818	9599684 9598869 9598053 9597236 9596418	44 43 42 41 40
21 22 23 24 25	2815042 2817833 2820624 2823415 2826205	2791 2791 2791 2790 2790	7184958 7182167 7179376 7176585 7173795	2843941 2846820 2849699 2852578 2855457	1·1987458 1·1985130 1·1982801 1·1980472 1·1978142	0404400 0405219 0406039 0406860 0407682	819 820 821 822 822	9595600 9594781 9593961 9593140 9592318	39 38 37 36 35
26 27 28 29 30	2828995 2831785 2834575 2837364 2840153	2790 2790 2789 2789 2789	7171005 7168215 7165425 7162636 7159847	2858336 2861215 2864094 2866973 2869852	1·1975812 1·1973483 1·1971154 1·1968823 1·1966492	0408504 0409328 0410152 0410977 0411803	824 824 825 826 826	9591496 9590672 9589848 9589023 9588197	34 38 32 31 30
31 32 33 34 35	2842942 2845731 2848520 2851308 2854096	2789 2789 2788 2788 2788	7157058 7154269 7151480 7148692 7145904	2872731 2875610 2878489 2881368 2884246	1·1964161 1·1961830 1·1959498 1·1957166 1·1954834	0412629 0413457 0414285 0415114 0415944	828 828 829 830 830	9587371 9586543 9585715 9584886 9584056	29 28 27 26 25
36 37 38 39 40	2856884 2859671 2862458 2865246 2868032	2787 2787 2788 2786 2787	7143116 7140329 7137542 7134754 7131968	2887124 2890002 2892880 2895759 2898638	1·1952502 1·1950170 1·1947838 1·1945505 1·1943172	0416774 0417606 0418438 0419271 0420105	832 832 833 834 835	9583226 9582394 9581562 9580729 9579895	24 23 22 21 20
41 42 43 44 45	2870819 2873605 2876391 2879177 2881963	2786 2786 2786 2786 2786 2786	7129181 7126395 7123609 7120823 7118037	2901516 2904394 2907272 2910150 2913028	1·1940838 1·1938504 1·1936170 1·1933836 1·1931502	0420940 0421775 0422611 0423448 0424286	835 836 837 838 839	9579060 9578225 9577389 9576552 9575714	19 18 17 16 15
46 47 48 49 50	2884748 2887533 2890318 2893103 2895887	2785 2785 2785 2784 2784	7115252 7112467 7109682 7106897 7104113	2915906 2918783 2921660 2924538 2927416	1·1929168 1·1926833 1·1924498 1·1922162 1·1919826	0425125 0425965 0426805 0427646 0428488	840 840 841 842 843	9574875 9574035 9573195 9572354 9571512	14 13 12 11 10
51 52 53 54 55	2898671 2901455 2904239 2907022 2909805	2784 2784 2783 2783 2783	7101329 7098545 7095761 7092978 7090195	2930293 2933170 2936048 2938926 2941803	1·1917490 1·1915154 1·1912818 1·1910482 1·1908145	0429331 0430175 0431019 0431864 0432710	844 844 845 846 847	9570669 9569825 9568981 9568136 9567290	9 8 7 6 5
56 57 58 59 60	2912588 2915371 2918153 2920935 2923717	2783 2782 2782 2782 2782	7087412 7084629 7081847 7079065 7076283	2944680 2947557 2950434 2953311 2956188	1·1905808 1·1903470 1·1901132 1·1898794 1·1896456	0433557 0434405 0435253 0436102 0436952	848 848 849 850	9566443 9565595 9564747 9563898 9563048	4 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'
-	070		MATH	DAT. SINE	g COSINES	a Arc		Deg !	

	17 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4 5	2923717 2926499 2929280 2932061 2934842 2937623	2782 2781 2781 2781 2781 2781 2780	7076283 7073501 7070720 7067939 7065158 7062377	2956188 2959065 2961942 2964819 2967696 2970572	1·1896456 1·1894117 1·1891778 1·1889439 1·1887100 1·1884761	0436952 0437803 0438655 0439508 0440361 0441215	851 852 853 853 854 855	9563048 9562197 9561345 9560492 9559639 9558785	60 59 58 57 56 55
6 7 8 9 10	2940403 2943183 2945963 2948743 2951522	2780 2780 2780 2779 2780	7059597 7056817 7054037 7051257 7048478	2973448 2976325 2979202 2982078 2984954	1·1882422 1·1880082 1·1877742 1·1875401 1·1873060	0442070 0442926 0443782 0444639 0445498	856 856 857 859 859	9557930 9557074 9556218 9555361 9554502	54 53 52 51 50
11 12 18 14 15	2954302 2957081 2959859 2962638 2965416	2779 2778 2779 2778 2778 2778	7045698 7042919 7040141 7037362 7034584	2987830 2990706 2993583 2996460 2999336	1·1870719 1·1868378 1·1866036 1·1863694 1·1861352	0446357 0447216 0448077 0448938 0449801	859 861 861 863 863	9553643 9552784 9551923 9551062 9550199	49 48 47 46 45
16 17 18 19 20	2968194 2970971 2973749 2976526 2979303	2777 2778 2777 2777 2776	7031806 7029029 7026251 7023474 7020697	3002212 3005087 3007962 3010838 3013714	1·1859010 1·1856668 1·1854326 1·1851982 1·1849638	0450664 0451527 0452392 0453257 0454124	863 865 865 867 867	9549336 9548473 9547608 9546743 9545876	44 43 42 41 40
21 22 23 24 25	2982079 2984856 2987632 2990408 2993184	2777 2776 2776 2776 2776 2775	7017921 7015144 7012368 7009592 7006816	3016590 3019466 3022341 3025216 3028092	1·1847295 1·1844952 1·1842608 1·1840264 1·1837919	0454991 0455859 0456727 0457597 0458467	868 868 870 870	9545009 9544141 9543273 9542403 9541533	39 38 37 36 35
26 27 28 29 30	2995959 2998734 3001509 3004284 3007 0 58	2775 2775 2775 2774 2774	7004041 7001266 6998491 6995716 6992942	3030968 3033843 3036718 3039593 3042468	1·1835574 1·1833229 1·1830884 1·1828538 1·1826192	0459338 0460210 0461083 0461956 0462830	872 873 873 874 876	9540662 9539790 9538917 9538044 9537170	34 33 32 31 30
31 32 33 34 35	3009832 3012606 3015380 3018153 3020926	2774 2774 2773 2773 2773	6990168 6987394 6984620 6981847 6979074	3045343 3048218 3051093 3053968 3056842	1·1823846 1·1821500 1·1819154 1·1816808 1·1814461	0463706 0464582 0465458 0466336 0467214	876 876 878 878 879	9536294 9535418 9534542 9533664 9532786	29 28 27 26 25
36 37 38 39 40	3023699 3026471 3029244 3032016 3034788	2772 2773 2772 2772 2771	6976301 6973529 6970756 6967984 6965212	3059716 3062591 3065466 3068340 3071214	1·1812114 1·1809766 1·1807418 1·1805070 1·1802722	0468093 0468973 0469854 0470736 0471618	880 881 882 882 883	9531907 9531027 9530146 9529264 9528382	24 23 22 21 20
41 42 43 44 45	3037559 3040331 3043102 3045872 3048643	2772 2771 2770 2771 2770	6962441 6959669 6956898 6954128 6951357	3074089 3076964 3079838 3082712 3085586	1·1800373 1·1798024 1·1795675 1·1793326 1·1790977	0472501 0473385 0474270 0475156 0476042	884 885 886 886 887	9527499 9526615 9525730 9524844 9523958	19 18 17 16 15
46 47 48 49 50	3051413 3054183 3056953 3059723 3062492	2770 2770 2770 2769 2769	6948587 6945817 6943047 6940277 6937508	3088460 3091334 3094208 3097082 3099956	1·1788628 1·1786278 1·1783928 1·1781577 1·1779226	0476929 0477817 0478706 0479596 0480486	888 889 890 890	9523071 9522183 9521294 9520404 9519514	14 13 12 11 10
51 52 53 54 55	3065261 3068030 3070798 3073566 3076834	2769 2768 2768 2768 2768	6934739 6931970 6929202 6926434 6923666	3102829 3105702 3108576 3111450 3114323	1·1776875 1·1774524 1·1772172 1·1769820 1·1767468	0481377 0482269 0483162 0484056 0484950	892 893 894 894 896	9518628 9517731 9516838 9515944 9515050	9 8 7 6 5
56 57 58 59 60	3079102 3081869 3084636 3087403 3090170	2767 2767 2767 2767	6920898 6918131 6915364 6912597 6909830	3117196 3120070 3122944 3125817 3128690	1·1765116 1·1762764 1·1760412 1·1758059 1·1755706	0485846 0486742 0487639 0488536 0489435	896 897 897 899	9514154 9513258 9512361 9511464 9510565	4 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
									1

0 3000170 2766 6000830 3139690 1-1755706 0480435 899 955 2 3005702 2766 6000798 3131638 1-1758352 0490334 899 955 3 3008468 2766 6001998 3134368 1-1758352 0490334 899 955 3 3008468 2766 6001998 3134368 1-1758352 0490334 899 955 4 3101234 2766 6800298 3134308 1-1748080 0419234 900 956 3 3008468 2765 6890210 3143054 1-1748290 0493087 902 955 3 3008468 2765 6890210 3143054 1-1748290 0493087 902 955 3 3008468 2765 6890210 3143054 1-1748290 0493087 902 955 4 3101234 2766 6890210 3143054 1-1748290 0493087 902 955 4 3101234 2766 6890210 3143054 1-1748290 0493087 902 955 9 3115058 2764 688706 3154672 1-175825 0496652 905 956 8 3112294 2764 688706 3154672 1-1758570 0499652 905 956 9 3115058 2764 6889492 3156454 1-17481210 0499844 907 956 10 3117822 2764 6885178 3156416 1-1738210 04998674 907 956 11 3120586 2766 6870414 3160289 1-172810 0499844 907 956 12 3123349 2763 687661 3160324 1-172804 0500279 908 958 13 312612 2768 6873888 316034 1-172804 0500279 908 958 14 3128875 2763 6871325 3166934 1-1728744 0500279 908 911 944 15 3131638 2763 6865600 3174650 1-1712907 0503009 911 944 15 3131638 2763 6865600 3174650 1-1712907 0503009 911 944 16 3134400 2763 6885600 3174650 1-1712907 0503009 911 944 17 3187163 2762 6886887 3177622 1-1715062 0504832 913 944 18 3139925 2761 6806075 3180894 1-17170872 0503920 912 944 18 314908 2760 6885791 3180909 1-1706823 0508469 916 944 23 315690 2760 684931 31801880 1-1706823 0508459 916 944 316490 2760 684931 3191800 1-1706823 0509465 916 944 316490 2760 684931 3191800 1-1706823 0509469 916 944 316490 2760 684931 3191800 1-1706823 0509469 916 944 316490 2760 684903 310969 1-1706823 0509469 916 944 316490 2760 684903 310969 1-1706823 0509469 916 944 316490 2760 684903 310969 1-1706823 0509469 915 944 316490 2760 684903 310969 1-1706823 0509469 915 944 316490 2760 684903 310969 1-1706823 0509469 915 944 316490 2760 684903 310969 1-1706823 0509469 915 944 316728 2765 684968 310969 1-1706823 0509469 915 944 316728 2765 685960 3										
1 3002936 2766 6804298 3134563 11755352 0490334 900 956 8 3008468 2766 6804298 3134363 1175059 0491235 901 956 4 3101234 2766 6839766 3140182 11744804 0492135 902 956 5 3103999 2765 68396001 3143054 117445935 0493939 902 956 6 3106769 2765 6839373 3145926 117448935 0493939 902 956 6 3106769 2765 6839471 3148799 11739225 0495437 904 957 7 3109529 2764 6887076 3151672 11736870 0496652 905 957 8 3112594 2764 6887076 3151672 11736870 0496652 905 957 9 3115058 2764 6887076 3154672 11735870 0496652 905 957 10 3117822 2764 6882178 3157416 11735215 0497657 907 956 11 3120568 2763 6879414 3160229 11729804 0499371 908 957 12 312349 2763 6876651 3163162 11727448 0500279 909 944 13 312612 2763 6876851 3163162 117272744 0500279 909 944 14 3128875 2763 68756651 3163162 11722734 0500209 911 944 15 3151683 2762 6836600 31747650 11722734 050009 911 947 15 315168 2766 686600 31747650 11712500 0501388 910 944 17 3137182 2766 686600 31747650 117128020 0503820 911 947 18 3139025 2762 680075 3109304 11712804 0506745 913 944 18 3139025 2760 680675 3109304 11710804 0506745 913 944 19 314938 2760 685652 3186138 1170888 0507774 915 944 23 316900 2760 6857179 3189009 11706220 0508489 912 944 316400 2760 6857519 3199809 11706220 0508489 912 944 316400 2760 685650 3107452 11716946 05066659 914 944 316400 2760 685620 3194752 11716923 0508489 912 944 316400 2760 685620 3200495 11690744 0512189 920 944 3164770 2760 685620 3200495 11690744 0512189 920 944 3164770 2760 685620 3200495 11690744 0512189 920 944 315407 2756 6839712 3211981 116823 051308 920 944 315407 2756 683963 3206288 1166374 0513098 920 944 315407 2756 683620 320695 11690744 0512189 920 944 315407 2760 685620 320696 11690744 0512189 920 944 315407 2756 683963 3206288 1166374 053098 920 944 315407 2756 683963 3206828 1166610 05283 939 940 945 3170888 2759 683971 3219181 1168683 0517687 924 3164770 2760 685620 320696 1169074 0512189 920 944 315407 2756 683963 320683 1160487 053098 920 944 31318407 2756 683963 3206868 1166610 052889 939 944 31318407 2756 6836988 320689 1166000 053	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
8 3098468 21-06 6801582 3137309 1-1748644 0492135 90.2 955 4 3103099 2765 6896001 3140564 1-1748935 0493939 902 955 5 3103099 2765 68963236 3140582 1-1746290 0498037 902 956 6 3106764 2765 6896233 3145926 1-1741895 0493939 904 956 8 3112294 2764 6887076 3151672 1-1736870 0496652 905 956 9 3115058 2764 6887976 3151672 1-1738870 0496652 905 956 9 3115058 2764 6882942 3154544 1-1734515 0497557 907 956 10 3117822 2764 6882173 3157416 1-17352160 0498464 907 956 11 3120586 2766 6870414 3160289 1-1728210 0498464 907 956 12 3123340 2763 687681 3163162 1-1727448 0500279 908 13 312912 2763 6873883 3169084 1-1728010 0501188 900 944 14 3128875 2763 6873813 316906 1-1722734 0500209 911 944 15 3131638 2762 6868369 31747650 1-1718020 050389 910 948 16 3134400 2763 6866500 3174650 1-1718020 050390 911 944 17 3137163 2762 68682837 3177652 1-1715602 050390 911 948 18 3139925 2761 6850753 3183904 1-1718040 0505745 913 944 19 314986 2762 6857314 3183926 1-1710946 0506669 914 944 19 314980 2760 6851791 3189009 1-1706230 0504889 916 944 22 3154649 2760 685455 316318 1-1708585 0507574 915 944 23 315473 2760 685455 316318 1-1708585 0507574 915 944 24 3156490 2760 6854791 3189009 1-1706230 0504889 916 944 25 315920 2760 6854510 3197624 1-1696914 0511240 918 944 27 316470 2760 6835290 3203366 1-1696794 0512158 920 944 31 3170858 2758 6834071 3209110 1-1689714 0511240 918 944 31 3175805 2758 6832613 3217852 1-1684994 0516763 992 944 31 3175805 2758 6832613 3217852 1-1684994 0516763 992 944 31 317680 2756 6839712 3211981 1-1687384 0515819 992 944 31 315803 2757 683164 3229205 1-1696794 0512158 920 944 31 315983 2757 683695 3214852 1-1684994 0516763 992 944 31 315803 2757 683695 3214852 1-1684994 0516763 992 944 31 315983 2756 685953 3214852 1-1684994 0516763 992 944 31 315983 2757 683695 3226388 1-169679 053884 993 944 31 315983 2757 683695 3226386 1-1696794 0512589 993 944 31 315983 2757 683695 3226386 1-1696484 0513678 993 944 31 315983 2757 685960 3226386 1-1696484 0513678 993 944 31 315983 2757 685960 326586 1-1696794 0512589 993 944	1	3092936	2766	6907064	3131563	1.1753352	0490334	900	9510565 9509666 9508766	60 59 58
6 3106704 2765 6893236 3145926 11741580 04948137 904 955 7 3100529 2765 6890471 3148799 11738225 0496752 905 956 9 3110688 2764 6882492 3154544 117384516 0497557 905 956 10 3117822 2764 6882178 3157416 117382160 0498464 907 956 11 3120586 2763 6879414 3160289 11728904 0499871 908 956 12 3123849 2763 6876631 3163162 11727448 0500279 909 951 13 3126112 2763 6875885 3166034 11725091 0501188 910 944 14 312875 2763 6871825 3168906 11722734 0500298 910 944 15 3131638 2762 6865600 3174650 11718020 050188 910 944 15 3134600 2763 6865600 3174650 11718020 05063820 911 944 18 3139625 2761 6865600 3174650 11718020 05063820 911 944 18 3139625 2761 6865650 3186034 11718040 0506765 915 913 948 18 3139625 2761 68654552 31680394 11718304 0506765 914 948 19 3142809 2760 6851791 3189009 11706858 0507574 915 944 21 3148209 2760 6851791 3189009 11706872 0509405 916 944 23 3153730 2760 6849031 3191880 11708582 0509405 917 944 24 3166400 2760 6843510 3197624 11099164 0511280 918 944 25 3165720 2760 684573 3197624 11099164 0511280 918 944 26 3163010 2760 6858290 3203366 1106073 0506449 915 944 27 3164770 2760 6858290 3203366 11696794 0511280 918 944 28 3175805 2769 6836931 3191890 11708572 0509405 917 944 29 3170288 2769 6836931 31918752 11701513 0510322 918 944 26 3163010 2760 683790 3203366 11696794 0511280 918 944 27 3164770 2760 6836390 3203366 11696434 0513078 920 944 28 3175805 2759 6826033 3214852 1168679 0518611 921 944 31 3175805 2759 682603 3244852 11686737 0518611 921 944 31 3175805 2758 6821497 3223464 11677910 0519568 925 944 31 3175805 2758 6821497 32236650 1166787 924 944 31 319903 2756 679831 3243656 1166787 924 944 31 319903 2756 679831 3243656 11668737 052310 938 944 32 3175805 2756 683608 32566 032570 938 944 32 3206130 2756 676083 324575 322586 11668737 052580 939 944 32 3236100 2756 679831 3243656 11668737 052580 939 944 32 3236100 2756 679831 3243656 11646426 0538507 939 944 32 3236100 2756 676830 325666 032570 939 944 32 323677 2754 6760839 325666 035690 053690 935 944 32 3236100 2756 6760839 325666 036660 05365	3 4	3098468 3101234	2766 2765	6901532 6898766	3137309 3140182	1·1748644 1·1746290	0492135 0493037	902 902	9507865 9506963 9506061	57 56 55
10 3117822 2764 6882178 3157416 1-1732160 04984844 907 907 908 918	7 8	3109529 3112294	2765 2765	6890471 6887706	3148799 3151672	1·1739225 1·1736870	$\begin{array}{c} 0495747 \\ 0496652 \end{array}$	904 905	9505157 9504253 9503348	54 53 52
13 13 13 13 13 13 13 13	10	3117822	2764	6882178	3157416	1.1732160	0498464		9502443 9501536	51 50
16	12 13 14	3123349 3126112 3128875	$2763 \\ 2763$	6876651 6873888 6871125	3163162 3166034 3168906	1·1727448 1·1725091 1·1722734	0500279 0501188 0502098	909 910	9500629 9499721 9498812 9497902	49 48 47 46
18 3139925 2761 6860075 3180394 1:1713304 0506745 915 944 20 3145448 2762 6854552 3186138 1:1708588 0507674 915 944 21 3148209 2760 6840210 3189009 1:1706230 0508489 916 944 22 3150690 2760 6840210 3197624 1:1701513 0500405 916 944 24 3156490 2760 6843510 3197624 1:1690194 0511240 918 944 25 3159250 2760 6843510 3197624 1:1690794 0512158 920 94 26 3162010 2760 6885220 3206238 1:1694484 0513098 920 94 27 3164770 2760 6885220 3206238 1:169494 0513998 920 94 28 3167529 2759 6832471 3209110 1:16894484 0513671 922	16	3134400	2762	6865600	3174650	1.1718020	0503920		9496991 9496080	45
21 3148209 2760 6840931 3189009 1:1766230 0508489 916 94 22 3156730 2760 6846270 3194752 1:1701513 0510322 917 94 24 3166490 2760 6846270 3197624 1:169014 0511240 918 94 25 315226 2760 6843510 3197624 1:1690794 051218 920 94 26 3162710 2760 6835290 3203366 1:1694484 0513078 920 94 27 3164770 2760 6835230 3206238 1:1692074 0513998 920 94 28 3167529 2759 6832712 3209110 1:168714 0514949 92 94 30 3173047 2758 6824105 3217723 1:168963 0516673 924 94 31 3175805 2758 6815191 3223444 1:1677910 051956 96 94	18 19	$3139925 \\ 3142686$	2761 2762	6860075 6857314	3180394 3183266	1·1713304 1·1710946	$\begin{array}{c} 0505745 \\ 0506659 \end{array}$	914 915	9495168 9494255 9493341 9492426	43 42 41 40
26	22 23 24	3150969 3153730 3156490	2760 2761 2760	6849031 6846270 6843510	3191880 3194752 3197624	1·1703872 1·1701513 1·1699154	0509405 0510322 0511240	916 917 918	9491511 9490595 9489678 9488760	39 38 37 36
28	26	3162010	2760	6837990	3203366	1.1694434	0513078	920	9487842 9486922	35
31 3175805 2758 6824195 3217723 11682633 0517687 924 944 32 3175363 2758 6821497 3220594 11680272 0518611 924 944 34 3184079 2758 6818679 3223444 11677910 0519596 926 94 35 3186836 2757 6813040 3229205 11673186 0521988 926 94 36 3189593 2757 6810407 323076 11673186 0522346 928 94 37 3192350 2756 6807650 3234947 11668100 0524173 929 94 38 3195106 2756 6802137 3240688 11668737 0525103 93 94 40 3200619 2756 6802137 3246088 11668737 0525103 931 94 41 320374 2756 6796262 3246429 11659010 0526965 932 94	28 29	3167529 3170288	2759 2759 2759	6832471 6829712	3209110 3211981	1·1689714 1·1687354	0514919 0515841	921 922 922	9486002 9485081 9484159 9483237	33 32 31 30
55 3186836 2157 6813164 3229205 1-1673186 0521388 928 94' 36 3189593 2757 6810407 3232076 1-1670824 0522316 928 94' 37 3192350 2756 6804804 3237818 1-1668160 0523244 929 94' 38 3195106 2756 6804804 3237318 1-1666100 0524173 929 94' 40 3200619 2755 6799381 3243558 1-1661374 0526034 931 94' 41 3203374 2756 6796837 3244930 1-1656910 0526965 932 94' 42 3206130 2755 6791115 3252170 1-1659282 0528950 933 94' 43 320885 2755 6788300 325940 1-1649646 0527897 932 94' 44 3211640 2755 6788300 325940 1-1649528 0528830 936	32 33	3178563 3181321	2758 2758	6821437 6818679	3220594 3223464	1·1680272 1·1677910	0518611 0519536	924 925	9482313 9481389 9480464 9479538	29 28 27 26
37 3192350 2756 6807650 3234947 1.1668462 0523244 923 94 38 3195106 2756 6804894 3237818 1.1666100 0524173 930 94 39 3197803 2756 6802137 3240688 1.166377 0525103 931 94 41 3200374 2756 6796263 3246429 1.1656040 0526965 931 94 42 3206130 2755 6798870 3249390 1.1656046 0527897 932 94 43 3208585 2755 6791115 3252170 1.1654282 0528380 93 94 44 3211404 2755 6785605 3257910 1.1649554 0530699 935 94 45 3214395 2754 6785605 3257910 1.1649554 0530699 935 94 47 3219903 2754 6785605 3257910 1.1649554 0530699 935 94<	35	3186836	2757	6813164	3229205	1.1673186	0521388	928	9478612 9477684	25 24
41 3203374 2756 6796626 3246429 11659010 0526965 931 42 3206130 2756 6798870 3249300 11656046 0527897 933 94 43 3208885 2755 6798870 3249300 11656046 0527897 933 94 44 3211640 2755 6785605 3257010 11647190 0536699 935 94 46 3217149 478292657 2754 6780967 3260650 11647190 0531634 936 94 48 3222657 2754 6780967 3260650 11647190 0531634 936 94 48 3222657 2754 6774589 3269389 1164004 053364 938 94 49 3225411 2754 6774589 3269389 1164004 0534445 938 94 50 3228164 2753 6771836 3272258 11637029 0535384 939 94 <td>37 38 39</td> <td>3192350 3195106 3197863</td> <td>2756 2757 2756</td> <td>6807650 6804894 6802137</td> <td>3234947 3237818 3240688</td> <td>1.1668462 1.1666100 1.1663737</td> <td>0523244 0524173 0525103</td> <td>929 930 931</td> <td>9476756 9475827 9474897 9473966</td> <td>23 22 21 20</td>	37 38 39	3192350 3195106 3197863	2756 2757 2756	6807650 6804894 6802137	3234947 3237818 3240688	1.1668462 1.1666100 1.1663737	0523244 0524173 0525103	929 930 931	9476756 9475827 9474897 9473966	23 22 21 20
44 3214395 2755 6188300 3257910 11649554 05300699 935 94 46 3217149 2754 6785861 3260700 11647190 0531634 936 94 47 321903 2754 6780097 3263650 11644825 0532570 937 94 48 3222657 2754 6777343 3266520 11642460 0533507 937 94 49 3225411 2753 6774589 3299389 1163094 0534445 939 94 50 32236164 2753 6776933 3275128 11685362 0535334 939 94 51 3239077 2753 6766930 327798 11682996 0587264 939 94 52 32396422 2752 6766378 3280667 11635362 058323 941 94 54 3239174 2752 6768074 3286606 116282964 0539146 941 94	41 42 43	3203374 3206130 3208885	$\frac{2756}{2755}$	6796626 6793870 6791115	3246429 3249300 3252170	1·1659010 1·1656646 1·1654282	0526965 0527897 0528830	932 933	9473035 9472103 9471170	19 18 17
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	45	3214395	2755	6785605	3257910	1.1649554	0530699	935	9470236 9469301	16 15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	47 48 49	3219903 3222657 3225411	2754 2754 2753	6780097 6777343 6774589	3263650 3266520 3269389	1·1644825 1·1642460 1·1640094	0532570 0533507 0534445	937 938 939	9468366 9467430 9466493 9465555 9464616	14 13 12 11 10
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	51 52 53	3230917 3233670 3236422	2753 2752 2752	6769083 6766330 6763578	3275128 3277998 3280867	1·1635362 1·1632996 1·1630630	0536323 0537264 0538205	941 941 941	9463677 9462736 9461795 9460854	9 8 7 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	55	3241926	2752	6758074	3286606	1.1625897	0540089	943	9459911 9458968	5
	57 58 59	3247429 3250180 3252931	2751 2751	6752571 6749820 6747069	3292345 3295214 3298083	1·1621162 1·1618794 1·1616427	0541977 0542922 0543868	945 946	9458023 9457078 9456132 9455186	3 2 1 0
		Cosine	Diff.				Covers.	Diff.	Sine	,
281 NATURAL SINES, COSINES, &c.		281		NATU	RAL SINE	s, cosines,	&c.		Deg. 71	·

'	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	3255682		6744318	3300952	1.1614060	0544814		9455186	6
i	3258432	2750	6741568	3303821	1.1611691	0545762	948	9454238	5
2	3261182	2750	6738818	3306690	1.1609322	0546710	948	9453290	5
3	3263932	2750	6736068	3309559	1.1606953	0547659	949	9452341	5
4	3266681	2749	6733319	3312428	1.1604584	0548609	950	9451391	5
5	3269430	$\frac{2749}{2749}$	6730570	3315296	1.1602215	0549559	950 952	9450441	5
6	3272179	2749	6727821	3318164	1.1599846	0550511	952	9449489	5
7	3274928	2748	6725072	3321033	1.1597476	0551463	953	9448537	5
8	3277676	2748	6722324	3323902	1 1595106	0552416	954	9447584	5
9	3280424 3283172	2748	6719576 6716828	3326770 3329638	1·1592736 1·1590366	0553370 0554325	955	9446630 9445675	5
11	3285919	2747	6714081	3332506	1.1587995	0555280	955	9444720	4
12	3288666	2747	6711334	3335374	1.1585624	0556236	956	9443764	4
13	3291413	2747	6708587	3338243	1.1583252	0557193	957	9442807	4
14	3294160	2747	6705840	3341112	1.1580880	0558151	958	9441849	4
15	3296906	$\frac{2746}{2747}$	6703094	3343979	1.1578509	0559110	959 959	9440890	4
16	3299653	2745	6700347	3346846	1.1576138	0560069	960	9439931	4
17	3302398	2746	6697602	3349714	1.1573765	0561029	961	9438971	4
18	3305144	2745	6694856	3352582	1.1571392	0561990	962	9438010	4
$\frac{19}{20}$	3307889	2745	6692111	3355450	1.1569019	0562952	963	9437048 9436085	4
- 1	3310634	2745	6689366	3358318	1.1566646	0563915	963		1 -
21	3313379	2744	6686621	3361185	1.1564273	0564878	965	9435122	3
22 23	3316123	2744	6683877	3364052	1.1561900	0565843	965	9434157 9433192	3
$\frac{23}{24}$	3318867	2744	6681133	3366920	1.1559526	0566808	965	9433192	3
25	3321611 3324355	2744	6678389 6675645	3369788 3372655	1·1557152 1·1554778	0567773 0568740	967	9431260	3
26	3327098	2743	6672902	3375522	1.1552404	0569707	967	9430293	3
27	3329841	2743	6670159	3378389	1.1550029	0570676	969	9429324	3
28	3332584	2743	6667416	3381256	1.1547654	0571645	969	9428355	3
29	3335326	2742	6664674	3384123	1.1545279	0572614	969 971	9427386	3
30	3338069	2743 2741	6661931	3386990	1.1542904	0573585	971	9426415	3
31	3340810	2742	6659190	3389857	1.1540528	0574556	973	9425444	2
32 33	3343552	2741	6656448	3392724	1.1538152	0575529	973	9424471 9423498	2 2
34	3346293 3349034	2741	6653707 6650966	3395590	1·1535776 1·1533400	0576502 0577475	973	9423498	2
35	3351775	2741	6648225	3398456 3401323	1.1531023	0578450	975	9421550	2
36	3354516	2741	6645484	3404190	1.1528646	0579425	975	9420575	2
37	3357256	2740	6642744	3407056	1.1526269	0580402	977	9419598	2
38	3359996	2740	6640004	3409922	1.1523892	0581379	977	9418621	2
39	3362735	2739	6637265	3412789	1.1521514	0582356	977	9417644	2
40	3365475	$\frac{2740}{2739}$	6634525	3415656	1.1519136	0583335	979 979	9416665	2
41	3368214	2739	6631786	3418522	1.1516758	0584314	981	9415686	1
42	3370953	2738	6629047	3421388	1.1514380	0585295	981	9414705	1
43	3373691	2738	6626309	3424254	1.1512001	0586276	981	9413724	1
44	3376429 3379167	2738	6623571 6620833	3427120	1·1509622 1·1507243	0587257 0588240	983	9412743 9411760	1
		2738		3429985			983		
46	3381905	2737	6618095	3432850	1.1504864	0589223	984	9410777	1.
47 48	3384642 3387379	2737	6615358 6612621	3435716	1·1502485 1·1500106	0590207 0591192	985	9409793 9408808	13
49	3390116	2737	6609884	3438582 3441447	1.1497725	0592178	986	9407822	1
50	3392852	2736	6607148	3444312	1.1495344	0593165	987 987	9406835	10
51	3395589	2737	6604411	3447178	1.1492964	0594152		9405848	1
52	3398325	2736	6601675	3450044	1.1490584	0595140	988	9404860	1 8
53	3401060	2735	6598940	3452909	1.1488203	0596129	989	9403871	1
54	3403796	2736	6596204	3455774	1.1485822	0597119	990 990	9402881	
55	3406531	2735 2734	6593469	3458639	1.1483440	0598109	992	9401891	1
56	3409265	2735	6590735	3461504	1.1481058	0599101	992	9400899	4
57	3412000	2734	6588000	3464369	1.1478676	0600093	993	9399907	1 8
58	3414734	2734	6585266	3467234	1.1476294	0601086	993	9398914	2
59 60	3417468 3420201	2733	6582532 6579799	3470099 3472964	1·1473911 1·1471528	0602079 0603074	995	9397921 9396926	2 1 0
,	Cosine	Diff.	30,0,00	2.,	3 22,2230	Covers	Diff.	Sine	

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2	3420201 3422935 3425668	2734 2733 2732	6579799 6577065 6574332	3472964 3475828 3478692	1·1471528 1·1469145 1·1466762	0603074 0604069 0605065	995 996 997	9396926 9395931 9394935	60 59 58
3 4 5	3428400 3431133 3433865	2733 2732 2732 2732	6571600 6568867 6566135	3481557 3484422 3487286	1·1464379 1·1461996 1·1459612	0606062 0607060 0608058	998 998 999	9393938 9392940 9391942	57 56 55
6 7 8 9	3436597 3439329 3442060 3444791	2732 2731 2731	6563403 6560671 6557940 6555209	3490150 3493014 3495878 3498742	1 1457228 1 1454843 1 1452458 1 1450073	0609057 0610058 0611058 0612060	1001 1000 1002	9390943 9389942 9388942 9387940	54 53 52 51
10 11	3447521 3450252	2730 2731	6552479 6549748	3501606 3504470	1·1447688 1·1445303	0613062 0614066	1002 1004	9386938 9385934	50 49
12 13 14 15	3452982 3455712 3458441 3461171	2730 2730 2729 2730 2729	6547018 6544288 6541559 6538829	3507334 3510198 3513062 3515926	1·1442918 1·1440532 1·1438146 1·1435759	0615070 0616075 0617080 0618087	1004 1005 1005 1007 1007	9384930 9383925 9382920 9381913	48 47 46 45
16 17 18 19 20	3463900 3466628 3469357 3472085 3474812	2728 2729 2728 2727	6536100 6533372 6530643 6527915 6525188	3518790 3521653 3524516 3527379 3530242	1·1433372 1·1430985 1·1428598 1·1426211 1·1423824	0619094 0620102 0621111 0622120 0623131	1008 1009 1009 1011	9380906 9379898 9378889 9377880 9376869	44 43 42 41 40
21 22 23 24 25	3477540 3480267 3482994 3485720 3488447	2728 2727 2727 2726 2727	6522460 6519733 6517006 6514280 6511553	3533105 3535968 3538831 3541694 3544557	1·1421436 1·1419048 1·1416660 1·1414272 1·1411883	0624142 0625154 0626167 0627180 0628194	1011 1012 1013 1013 1014	9375858 9374846 9373833 9372820 9371806	39 38 37 36 35
26 27 28 29 30	3491173 3493898 3496624 3499349 3502074	2726 2725 2726 2725 2725	6508827 6506102 6503376 6500651	3547420 3550283 3553146 3556008	1·1409494 1·1407104 1·1404714 1·1402325	0629210 0630226 0631242 0632260	1016 1016 1016 1018 1018	9370790 9369774 9368758 9367740	34 33 32 31
31 32 33 34 35	3504798 3507523 3510247 3512970 3515693	2724 2725 2724 2724 2723	6497926 6495202 6492477 6489753 6487030 6484307	3558870 3561733 3564596 3567458 3570320 3573182	1·1399936 1·1397545 1·1395154 1·1392764 1·1390374 1·1387982	0633278 0634297 0635317 0636338 0637359 0638382	1019 1020 1021 1021 1023	9366722 9365703 9364683 9363662 9362641 9361618	30 29 28 27 26 25
36 37 38 39 40	3518416 3521139 3523862 3526584 3529306	2723 2723 2723 2722 2722	6481584 6478861 6476138 6473416 6470694	3576044 3578906 3581768 3584630 3587492	1·1385590 1·1383198 1·1380806 1·1378414 1·1376022	0639405 0640429 0641453 0642479 0643505	1023 1024 1024 1026 1026	9360595 9359571 9358547 9357521 9356495	24 23 22 21 20
41 42 43 44 45	3532027 3534748 3537469 3540190 3542910	2721 2721 2721 2721 2720 2720	6467973 6465252 6462531 6459810 6457090	3590353 3593214 3596076 3598938 3601799	1·1373630 1·1371238 1·1368844 1·1366450 1·1364057	0644532 0645560 0646588 0647618 0648648	1027 1028 1028 1030 1030	9355468 9354440 9353412 9352382 9351352	19 18 17 16 15
46 47 48 49 50	3545630 3548350 3551070 3553789 3556508	2720 2720 2720 2719 2719 2718	6454370 6451650 6448930 6446211 6443492	3604660 3607521 3610382 3613243 3616104	1·1361664 1·1359269 1·1356874 1·1354480 1·1352086	0649679 0650711 0651743 0652777 0653811	1031 1032 1032 1034 1034	9350321 9349289 9348257 9347223 9346189	14 13 12 11 10
51 52 53 54 55	3559226 3561944 3564662 3567380 3570097	2718 2718 2718 2718 2717 2717	6440774 6438056 6435338 6432620 6429903	3618965 3621826 3624687 3627543 3630409	1·1349691 1·1347296 1·1344900 1·1342504 1·1340108	0654846 0655881 0656918 0657955 0658993	1035 1035 1037 1037 1038 1039	9345154 9344119 9343082 9342045 9341007	9 8 7 6 5
56 57 58 59 60	3572814 3575531 3578248 3580964 3583679	2717 2717 2717 2716 2715	6427186 6424469 6421752 6419036 6416321	3633270 3636130 3638990 3641850 3644710	1·1337712 1·1335315 1·1332918 1·1330521 1·1328124	$\begin{array}{c} 0660032 \\ 0661072 \\ 0662112 \\ 0663154 \\ 0664196 \end{array}$	1040 1040 1042 1042	9339968 9338928 9337888 9336846 9335804	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
	1				1				

	21 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1,
0 1 2	3583679 3586395 3589110	2716 2715 2715	6416321 6413605 6410890	3644710 3647570 3650430	1·1328124 1·1325727 1·1323330	0664196 0665239 0666282	1043 1043 1045	9335804 9334761 9333718	60 59 58
3 4 5	3591825 3594540 3597254	2715 2714 2714	6408175 6405460 6402746	3653290 3656150 3659010	1·1320932 1·1318534 1·1316135	0667327 0668372 0669418	1045 1046 1047	9332673 9331628 9330582	57 56 55
6 7 8	3599968 3602682 3605395	2714 2713	6400032 6397318 6394605	3661870 3664730 3667590	1·1313736 1·1311337 1·1308938	0670465 0671512 0672561	1047 1049 1049	9329535 9328488 9327439	54 53 52
9 10 11	3608108 3610821 3613534	2713 2713 2713	6391892 6389179	3670449 3673308	1·1306539 1·1304140 1·1301740	0673610 0674660 0675710	1050 1050	9326390 9325340 9324290	51 50 49
12 13	3616246 3618958	$2712 \\ 2712 \\ 2711$	6386466 6383754 6381042	3676168 3679028 3681887	1·1299340 1·1296940	0676762 0677814	1052 1052 1053	9323238 9322186	48 47
14 15 16	3621669 3624380 3627091	$\frac{2711}{2711}$	6378331 6375620 6372909	3684746 3687605 3690464	1·1294540 1·1292139 1·1289738	0678867 0679921 0680976	1054 1055	9321133 9320079 9319024	46 45 44
17 18 19	3629802 3632512 3635222	2711 2710 2710	6370198 6367488 6364778	3693323 3696182 3699040	1·1287336 1·1284934 1·1282533	0682031 0683088 0684145	1055 1057 1057	9317969 9316912 9315855	43 42 41
20 21	3637932 3640641	2710 2709 2710	6362068 6359359	3701898 3704757	1·1280132 1·1277729	0685203 0686261	1058 1058 1060	9314797 9313739	40 39
22 23 24	3643351 3646059 3648768	$\frac{2708}{2709}$	6356649 6353941 6351232	3707616 3710474 3713332	1·1275326 1·1272923 1·1270520	0687321 0688381 0689442	1060 1061 1062	9312679 9311619 9310558	38 37 36
25 26 27	3651476 3654184 3656891	2708 2708 2707	6348524 6345816	3716190 3719048	1·1268117 1·1265714	0690504 0691566	1062 1064	9309496 9308434	35 34 33
28 29 30	3659599 3662306 3665012	2708 2707 2706	6343109 6340401 6337694 6334988	3721906 3724764 3727622	1.1263310 1.1260906 1.1258502 1.1256098	0692630 0693694 0694759 0695824	1064 1065 1065	9307370 9306306 9305241 9304176	32 31 30
31 32	3667719 3670425	2707 2706	6332281 6329575	3730480 3733338 3736196	1 1250098 1 1253694 1 1251290	0696891 0697958	1067 1067 1068	9303109 9302042	29 28
33 34 35	3673130 3675836 3678541	2705 2706 2705	6326870 6324164 6321459	3739054 3741912 3744769	1·1248884 1·1246478 1·1244073	0699026 0700095 0701165	1069 1070 1070	9300974 9299905 9298835	27 26 25
36 37 38	3681246 3683950 3686654	2705 2704 2704	6318754 6316050	3747626 3750483	1·1241668 1·1239262 1·1236856	0702235 0703306	1071 1072	9297765 9296694 9295622	24 23 22
39 40	3689358 3692061	2704 2703 2704	6313346 6310642 6307939	3753340 3756198 3759056	1·1234449 1·1232042	0704378 0705451 0706525	1073 1074 1074	9293475 9293475	21 20
41 42 43	3694765 3697468 3700170	2703 2702	6305235 6302532 6299830	3761913 3764770 3767626	1·1229635 1·1227228 1·1224820	0707599 0708674 0709750	1075 1076	9292401 9291326 9290250	19 18 17
44 45	3702872 3705574	$\begin{array}{c} 2702 \\ 2702 \\ 2702 \end{array}$	6297128 6294426	3770482 3773339	1·1222412 1·1220004	$\begin{array}{c} 0710827 \\ 0711904 \end{array}$	1077 1077 1079	9289173 9288096	16 15
46 47 48	3708276 3710977 3713678	2701 2701 2701	6291724 6289023 6286322	3776196 3779052 3781908	1·1217596 1·1215188 1·1212780	0712983 0714062 0715142	1079 1080 1080	9287017 9285938 9284858	14 13 12
49 50 51	3716379 3719079 3721780	2700 2701	6283621 6280921 6278220	3784765 3787622 3790478	1·1210371 1·1207962 1·1205553	0716222 0717304 0718386	$\frac{1082}{1082}$	9283778 9282696 9281614	11 10 9
52 53 54	3724479 3727179 3729878	2699 2700 2699	6275521 6272821	3793334 3796190	1·1203144 1·1200734 1·1198324	0719469 0720553	1083 1084 1084	9280531 9279447	8765
55 56	3732577 3735275	2699 2698	6270122 6267423 6264725	3799046 3801902 3804758	1·1195913 1·1193502	0721637 0722723 0723809	1086 1086	9278363 9277277 9276191	1
57 58 59	3737973 3740671 3743369	2698 2698 2698	6262027 6259329 6256631	3807613 3810468 3813324	1·1191091 1·1188680 1·1186269	0724896 0725984 0727072	1087 1088 1088	9275104 9274016 9272928	4 3 2 1
60	3746066	2697	6253934	3816180	1.1183858	0728161	1089	9271839	Ô
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

	22 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	3746066	2697	6253934	3816180	1·1183858	0728161	1091	9271839	60
1	3748763	2696	6251237	3819035	1·1181446	0729252	1090	9270748	59
2	3751459	2697	6248541	3821890	1·1179034	0730342	1092	9269658	58
3	3754156	2696	6245844	3824746	1·1176622	0731434	1092	9268566	57
4	3756852	2695	6243148	3827602	1·1174210	0732526	1094	9267474	56
5	3759547	2696	6240453	3830457	1·1171797	0733620	1094	9266380	55
6	3762243	2695	6237757	3833312	1·1169384	0734714	1094	9265286	54
7	3764938	2694	6235062	3836166	1·1166971	0735808	1096	9264192	53
8	3767632	2695	6232368	3839020	1·1164558	0736904	1096	9263096	52
9	3770327	2694	6229673	3841875	1·1162144	0738000	1098	9262000	51
10	3773021	2693	6226979	3844730	1·1159730	0739098	1097	9260902	50
11	3775714	2694	6224286	3847585	1·1157316	0740195	1099	9259805	49
12	3778408	2693	6221592	3850440	1·1154902	0741294	1100	9258706	48
13	3781101	2693	6218899	3853294	1·1152487	0742394	1100	9257606	47
14	3783794	2692	6216206	3856148	1·1150072	0743494	1101	9256506	46
15	3786486	2692	6213514	3859002	1·1147657	0744595	1101	9255405	45
16	3789178	2692	6210822	3861856	1·1145242	0745697	1102	9254303	44
17	3791870	2692	6208130	3864710	1·1142827	0746799	1104	9253201	43
18	3794562	2691	6205438	3867564	1·1140412	0747903	1104	9252097	42
19	3797253	2691	6202747	3870418	1·1137996	0749007	1105	9250993	41
20	3799944	2690	6200056	3873272	1·1135580	0750112	1106	9249888	40
21	3802634	2690	6197366	3876126	1·1133163	0751218	1106	9248782	39
22	3805324	2690	6194676	3878980	1·1130746	0752324	1108	9247676	38
23	3808014	2690	6191986	3881834	1·1128329	0753432	1108	9246568	37
24	3810704	2689	6189296	3884688	1·1125912	0754540	1109	9245460	36
25	3813393	2689	6186607	3887541	1·1123495	0755649	1109	9244351	35
26	3816082	2688	6183918	3890394	1·1121078	0756758	1111	9243242	34
27	3818770	2689	6181230	3893247	1·1118660	0757869	1111	9242131	33
28	3821459	2688	6178541	3896100	1·1116242	0758980	1112	9241020	32
29	3824147	2687	6175853	3898953	1·1113823	0760092	1113	9239908	31
30	3826834	2688	6173166	3901806	1·1111404	0761205	1113	9238795	30
31	3829522	2687	6170478	3904659	1·1108985	0762318	1115	9237682	29
32	3832209	2686	6167791	3907512	1·1106566	0763433	1115	9236567	28
33	3834895	2687	6165105	3910365	1·1104147	0764548	1116	9235452	27
34	8837582	2686	6162418	3913218	1·1101728	0765664	1116	9234336	26
35	3840268	2685	6159732	3916070	1·1099308	0766780	1118	9233220	25
36	3842953	2686	6157047	3918922	1·1096888	0767898	1118	9232102	24
37	3845639	2685	6154361	3921775	1·1094468	0769016	1119	9230984	23
38	3848324	2684	6151676	3924628	1·1092048	0770135	1120	9229865	22
39	3851008	2685	6148992	3927480	1·1089627	0771255	1121	9228745	21
40	3853693	2684	6146307	3930332	1·1087206	0772376	1121	9227624	20
41	3856377	2683	6143623	3933184	1·1084785	0773497	1122	9226503	19
42	3859060	2684	6140940	3936036	1·1082364	0774619	1123	9225381	18
43	3861744	2683	6138256	3938888	1·1079942	0775742	1124	9224258	17
44	3864427	2683	6135573	3941740	1·1077520	0776866	1124	9223134	16
45	3867110	2682	6132890	3944592	1·1075098	0777990	1126	9222010	15
46	3869792	2682	6130208	3947444	1·1072676	0779116	1126	9220884	14
47	3872474	2682	6127526	3950295	1·1070253	0780242	1126	9219758	13
48	3875156	2681	6124844	3953146	1·1067830	0781368	1128	9218632	12
49	3877837	2681	6122163	3955998	1·1065407	0782496	1129	9217504	11
50	3880518	2681	6119482	3958850	1·1062984	0783625	1129	9216375	10
51	3883199	2681	6116801	3961701	1·1060561	0784754	1130	9215246	9
52	3885880	2680	6114120	3964552	1·1058138	0785884	1130	9214116	8
53	388560	2680	6111440	3967403	1·1055714	0787014	1132	9212986	7
54	3891240	2679	6108760	3970254	1·1053290	0788146	1132	9211854	6
55	3893919	2679	6106081	3973105	1·1050865	0789278	1133	9210722	5
56 57 58 59 60	3896598 3899277 3901955 3904633 3907311	2679 2678 2678 2678	6103402 6100723 6098045 6095367 6092689	3975956 3978807 3981658 3984508 3987358	1·1048440 1·1046015 1·1043590 1·1041165 1·1038740	0790411 0791545 0792680 0793815 0794951	1134 1135 1135 1136	9209589 9208455 9207320 9206185 9205049	3 2 1 0
Ľ	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'
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	23 Deg.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	3907311		20002200	9007950	1.1090740	0794951		9205049	60
		2678	6092689 6090011	3987358	1.1038740	0796088	1137	9203912	59
1 2	3909989 3912666	2677	6087334	3990209 3993060	1·1036314 1·1033888	0797226	1138	9202774	58
3	3915343	2677	6084657	3995910	1.1031462	0798365	1139	9201635	57
4	3918019	2676	6081981	3998760	1.1029036	0799504	1139	9200496	56
5	3920695	2676	6079305	4001610	1.1026609	0800644	1140	9199356	55
		2676					1141		
6	3923371	2676	6076629	4004460	1.1024182	0801785	1142	9198215	54 53
7 8	3926047	2675	6073953	4007310	1.1021754	0802927	1142	9197073 9195931	52
9	3928722 3931397	2675	6071278 6068603	4010160 4013010	1·1019326 1·1016899	0804069 0805212	1143	9193331	51
10	3934071	2674	6065929	4015860	1.1010399	0806356	1144	9193644	50
		2674					1145		
11	3936745	2674	6063255	4018709	1.1012043	0807501	1146	9192499	49
12	3939419	2674	6060581	4021558	1.1009614	0808647	1146	9191353	48
13	3942093	2673	6057907	4024408	1.1007186	0809793	1147	9190207	47
14 15	3944766	2673	6055234	4027258	1.1004758	0810940	1148	9189060 9187912	45
	3947439	2672	6052561	4030107	1.1002329	0812088	1149		
16	3950111	2672	6049889	4032956	1.0999900	0813237	1149	9186763	44
17	3952783	2672	6047217	4035805	1.0997470	0814386	1150	9185614	43
18	3955455	2672	6044545	4038654	1.0995040	0815536	1151	9184464	42
19	3958127	2671	6041873	4041503	1.0992610	0816687	1152	9183313	41
20	3960798	2670	6039202	4044352	1.0990180	0817839	1152	9182161	40
21	3963468		6036532	4047200	1.0987749	0818991		9181009	39
22	3966139	2671	6033861	4050048	1.0985318	0820145	1154	9179855	38
23	3968809	2670	6031191	4052897	1.0982887	0821299	1154	9178701	37
24	3971479	2670	6028521	4055746	1.0980456	0822454	1155	9177546	36
25	3974148	2669	6025852	4058594	1.0978025	0823609	1155 1157	9176391	35
26	3976818	2670	6023182	4061442	1.0975594	0824766		9175234	34
27	3979486	2668	6020514	4064290	1.0973162	0825923	1157	9174077	33
28	3982155	2669	6017845	4067138	1.0970730	0827081	1158	9172919	32
29	3984823	2668	6015177	4069987	1.0968297	0828240	1159	9171760	31
30	3987491	2668	6012509	4072836	1.0965864	0829399	1159	9170601	30
		2667					1161		1
31 32	3990158	2667	6009842	4075683	1.0963431	0830560	1161	9169440	29
33	3992825 3995492	2667	6007175	4078530	1.0960998	0831721	1161	9168279	28
34	3998158	2666	6004508 6001842	4081378 4084226	1.0958565 1.0956132	0832882 0834045	1163	9167118 9165955	26
35	4000825	2667	5999175	4087074	1 0953698	0835209	1164	9164791	25
		2665					1164		
36	4003490	2666	5996510	4089922	1.0951264	0836373	1165	9163627	24
37	4006156	2665	5993844	4092769	1.0948830	0837538	1165	9162462	23
38	4008821	2665	5991179	4095616	1.0946396	0838703	1167	9161297	22
40	4011486 4014150	2664	5988514	4098463	1.0943961	0839870	1167	9160130	21 20
	4014100	2664	5985850	4101310	1.0941526	0841037	1168	9158963	1
41	4016814	2664	5983186	4104157	1.0939091	0842205	1169	9157795	19
42	4019478	2663	5980522	4107004	1.0936656	0843374	1170	9156626	18
43	4022141	2663	5977859	4109851	1.0934220	0844544	1170	9155456	17
44	4024804	2663	5975196	4112698	1.0931784	0845714	1171	9154286	16
45	4027467	2662	5972533	4115544	1.0929348	0846885	1172	9153115	15
46	4030129		5969871	4118390	1.0926912	0848057		9151943	14
47	4032791	2662	5967209	4121237	1.0924476	0849230	1173	9150770	13
48	4035453	$2662 \\ 2661$	5964547	4124084	1.0922040	0850403	1173	9149597	12
49	4038114	2661	5961886	4126930	1.0919603	0851578	1175	9148422	11
50	4040775	2661	5959225	4129776	1.0917166	0852753	1175	9147247	10
51	4043436		5956564	4132622	1.0914728	0853928	1175	9146072	9
52	4046096	2660	5953904	4135468	1.0912290	0855105	1177	9144895	
53	4048756	2660	5951244	4138314	1.0909852	0856282	1177	9143718	8 7
54	4051416	2660	5948584	4141160	1.0907414	0857460	1178	9142540	6
55	4054075	2659 2659	5945925	4144006	1.0904976	0858639	1179	9141361	5
56	4056734		5943266	4146852	1.0902538	0859819	1180	9140181	4
57	4059393	2659	5943200	4140852	1.0900099	0860999	1180	9139001	9
58	4062051	2658	5937949	4152544	1 0897660	0862181	1182	9137819	3 2
59	4064709	2658	5935291	4155389	1.0895220	0863363	1182	9136637	1
60	4067366	2657	5932634	4158234	1.0892780	0864545	1182	9135455	ō
			500000	1200202	_ 0000,00	3002020			
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

	er Dog.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4 5	4067366 4070024 4072681 4075337 4077993 4080649	2658 2657 2656 2656 2656	5932634 5929976 5927319 5924663 5922007 5919351	4158234 4161079 4163924 4166769 4169614 4172459	1.0892780 1.0890341 1.0887902 1.0885461 1.0883020 1.0880579	0864545 0865729 0866913 0868098 0869284 0870471	1184 1184 1185 1186 1187	9135455 9134271 9133087 9131902 9130716 9129529	60 59 58 57 56 55
6 7 8 9 10	4083305 4085960 4088615 4091269 4093923	2656 2655 2655 2654 2654 2654	5916695 5914040 5911385 5908731 5906077	4175304 4178149 4180994 4183838 4186682	1.0878138 1.0875697 1.0873256 1.0870815 1.0868374	0871658 0872846 0874035 0875225 0876416	1187 1188 1189 1190 1191 1191	9128342 9127154 9125965 9124775 9123584	54 53 52 51 50
11	4096577	2653	5903423	4189527	1.0865931	0877607	1192	9122393	49
12	4099230	2653	5900770	4192372	1.0863488	0878799	1193	9121201	48
13	4101883	2653	5898117	4195216	1.0861046	0879992	1193	9120008	47
14	4104536	2653	5895464	4198060	1.0858604	0881185	1195	9118815	46
15	4107189	2652	5892811	4200904	1.0856161	0882380	1195	9117620	45
16	4109841	2651	5890159	4203748	1.0853718	0883575	1196	9116425	44
17	4112492	2652	5887508	4206592	1.0851274	0884771	1196	9115229	43
18	4115144	2651	5884856	4209436	1.0848830	0885967	1198	9114033	42
19	4117795	2650	5882205	4212279	1.0846386	0887165	1198	9112835	41
20	4120445	2651	5879555	4215122	1.0843942	0888363	1199	9111637	40
21	4123096	2649	5876904	4217966	1.0841498	0889562	1200	9110438	39
22	4125745	2650	5874255	4220810	1.0839054	0890762	1200	9109288	38
23	4128395	2649	5871605	4223653	1.0836609	0891962	1201	9108038	37
24	4131044	2649	5868956	4226496	1.0834164	0893163	1202	9106837	36
25	4133693	2649	5866307	4229339	1.0831719	0894365	1203	9105635	35
26	4136342	2648	5863658	4232182	1·0829274	0895568	1204	9104432	34
27	4138990	2648	5861010	4235025	1·0826828	0896772	1204	9103228	33
28	4141638	2647	5858362	4237868	1·0824382	0897976	1205	9102024	32
29	4144285	2647	5855715	4240711	1·0821936	0899181	1206	9100819	31
30	4146932	2647	5853068	4243554	1·0819490	0900387	1207	9099613	30
31	4149579	2647	5850421	4246396	1.0817043	0901594	1207	9098406	29
32	4152226	2646	5847774	4249238	1.0814596	0902801	1209	9097199	28
33	4154872	2645	5845128	4252081	1.0812149	0904010	1209	9095990	27
34	4157517	2646	5842483	4254924	1.0809702	0905219	1209	9094781	26
35	4160163	2645	5839837	4257766	1.0807254	0906428	1211	9093572	25
36	4162808	2645	5837192	4260608	1.0804806	0907639	1211	9092361	24
37	4165453	2644	5834547	4263450	1.0802358	0908850	1212	9091150	23
38	4168097	2644	5831903	4266292	1.0799910	0910062	1213	9089938	22
39	4170741	2644	5829259	4269134	1.0797462	0911275	1214	9088725	21
40	4173385	2643	5826615	4271976	1.0795014	0912489	1214	9087511	20
41	4176028	2643	5823972	4274817	1.0792565	0913703	1215	9086297	19
42	4178671	2642	5821329	4277658	1.0790116	0914918	1216	9085082	18
43	4181313	2643	5818687	4280500	1.0787666	0916134	1217	9083866	17
44	4183956	2641	5816044	4283342	1.0785216	0917351	1217	9082649	16
45	4186597	2642	5813403	4286183	1.0782766	0918568	1218	9081432	15
46	4189239	2641	5810761	4289024	1.0780316	0919786	1219	9080214	14
47	4191880	2641	5808120	4291865	1.0777866	0921005	1220	9078995	13
48	4194521	2640	5805479	4294706	1.0775416	0922225	1221	9077775	12
49	4197161	2640	5802839	4297547	1.0772965	0923446	1221	9076554	11
50	4199801	2640	5800199	4300388	1.0770514	0924667	1222	9075333	10
51	4202441	2639	5797559	4303229	1.0768063	0925889	1223	9074111	9
52	4205080	2639	5794920	4306070	1.0765612	0927112	1223	9072888	8
53	4207719	2639	5792281	4308911	1.0763160	0928335	1225	9071665	7
54	4210358	2638	5789642	4311752	1.0760708	0929560	1225	9070440	6
55	4212996	2638	5787004	4314592	1.0758256	0930785	1226	9069215	5
56 57 58 59 60	4215634 4218272 4220909 4223546 4226183	2638 2637 2637 2637	5784366 5781728 5779091 5776454 5773817	4317432 4320272 4323112 4325952 4328792	1 0755804 1 0753351 1 0750898 1 0748445 1 0745992	0932011 0933238 0934465 0935693 0936922	1227 1227 1228 1229	9067989 9066762 9065535 9064307 9063078	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	287		NATU	RAL SINE	s, cosines	8, &c.		Deg. (35.

•	Sine								
	Sille	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	4226183	2636	5773817	4328792	1.0745992	0936922	1230	9063078	60
1	4228819	2636	5771181	4331632	1.0743539	0938152	1230	9061848	59
2	4231455	2635	5768545	4334472	1.0741086	0939382	1232	9060618	58
3	4234090	2635	5765910	4337312	1.0738632	0940614	1232	9059386	57
4	4236725	2635	5763275	4340152	1.0736178	0941846	1232	9058154	56
5 6 7	4239360 4241994 4244628	2634 2634	5760640 5758006 5755372	4342991 4345830 4348669	1.0733723 1.0731268 1.0728813	0943078 0944312 0945546	1234 1234	9056922 9055688 9054454	55 54 53
8 9 10	4247262 4249895 4252528	2634 2633 2633 2633	5752738 5750105 5747472	4351508 4354347 4357186	1.0726358 1.0723903 1.0721448	0946781 0948017 0949254	1235 1236 1237 1237	9053219 9051983 9050746	52 51 50
11	4255161	2632	5744839	4360025	1.0718992	0950491	1238	9049509	49
12	4257793	2632	5742207	4362864	1.0716536	0951729	1239	9048271	48
13	4260425	2631	5739575	4365703	1.0714080	0952968	1240	9047032	47
14	4263056	2631	5736944	4368542	1.0711624	0954208	1241	9045792	46
15	4265687	2631	5734313	4371381	1.0709167	0955449	1241	9044551	45
16	4268318	2631	5731682	4374220	1.0706710	0956690	1242	9043310	44
17	4270949	2630	5729051	4377058	1.0704253	0957932	1243	9042068	43
18	4273579	2629	5726421	4379896	1.0701796	0959175	1243	9040825	42
19	4276208	2630	5723792	4382734	1.0699338	0960418	1244	9039582	41
20	4278838	2629	5721162	4385572	1.0696880	0961662	1245	9038338	40
21	4281467	2628	5718533	4388410	1.0694422	0962907	1246	9037093	39
22	4284095	2628	5715905	4391248	1.0691964	0964153	1247	9035847	38
23	4286723	2628	5713277	4394086	1.0689505	0965400	1247	9034600	37
24	4289351	2628	5710649	4396924	1.0687046	0966647	1248	9033353	36
25	4291979	2627	5708021	4399762	1.0684588	0967895	1249	9032105	35
26	4294606	2627	5705394	4402600	1.0682130	0969144	1250	9030856	34
27	4297233	2626	5702767	4405437	1.0679670	0970394	1250	9029606	33
28	4299859	2626	5700141	4408274	1.0677210	0971644	1251	9028356	32
29	4302485	2626	5697515	4411111	1.0674750	0972895	1252	9027105	31
30	4305111	2625	5694889	4413948	1.0672290	0974147	1253	9025853	30
31	4307736	2625	5692264	4416785	1.0669830	0975400	1253	9024600	29
32	4310361	2625	5689639	4419622	1.0667370	0976653	1255	9023347	28
33	4312986	2624	5687014	4422459	1.0664909	0977908	1254	9022092	27
34	4315610	2624	5684390	4425296	1.0662448	0979162	1256	9020838	26
35	4318234	2623	5681766	4428133	1.0659987	0980418	1257	9019582	25
36	4320857	2624	5679143	4430970	1.0657526	0981675	1257	9018325	24
37	4323481	2622	5676519	4433806	1.0655064	0982932	1258	9017068	23
38	4326103	2623	5673897	4436642	1.0652602	0984190	1259	9015810	22
39	4328726	2622	5671274	4439479	1.0650140	0985449	1259	9014551	21
40	4331348	2622	5668652	4442316	1.0647678	0986708	1261	9013292	20
41 42 43 44 45	4333970 4336591 4339212 4341832 4344453	2621 2621 2620 2621	5666030 5663409 5660788 5658168 5655547	4445152 4447988 4450824 4453660 4456496	1.0645215 1.0642752 1.0640289 1.0637826 1.0635363	0987969 0989230 0990492 0991754 0993018	1261 1262 1262 1264	9012031 9010770 9009508 9008246 9006982	19 18 17 16 15
46 47 48 49 50	4347072 4349692 4352311 4354930 4357548	2619 2620 2619 2619 2618 2618	5652928 5650308 5647689 5645070 5642452	4459332 4462167 4465002 4467838 4470674	1.0632900 1.0630436 1.0627972 1.0625507 1.0623042	0994282 0995547 0996812 0998079 0999346	1264 1265 1265 1267 1267 1268	9005718 9004453 9003188 9001921 9000654	14 13 12 11 10
51	4360166	2618	5639834	4473509	1.0620578	1000614	1269	8999386	9
52	4362784	2617	5637216	4476344	1.0618114	1001883	1269	8998117	8
53	4365401	2617	5634599	4479179	1.0615648	1003152	1270	8996848	7
54	4368018	2616	5631982'	4482014	1.0613182	1004422	1271	8995578	6
55	4370634	2616	5629366	4484849	1.0610716	1005693	1272	8994307	5
56 57 58 59 60	4373251 4375866 4378482 4381097 4383711	2615 2616 2615 2614	5626749 5624134 5621518 5618903 5616289	4487684 4490518 4493352 4496187 4499022	1.0608250 1.0605784 1.0603318 1.0600852 1.0598386	1006965 1008237 1009511 1010785 1012060	1272 1274 1274 1274 1275	8993035 8991763 8990489 8989215 8987940	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	4383711 4386326	2615	5616289 5613674	4499022 4501856	1.0598386 1.0595919	1012060 1013335	1275 1276	8987940 8986665	60
2	4388940	$2614 \\ 2613$	5611060	4504690	1.0593452	1014611	1277	8985389	58
3 4	4391553 4394166	2613	5608447 5605834	4507524 4510358	1.0590984 1.0588516	1015888 1017166	1278	8984112 8982834	57
5	4396779	2613	5603221	4513192	1.0586048	1018445	$\frac{1279}{1279}$	8981555	5
6	4399392	2613 2612	5600608	4516026	1.0583580	1019724	1280	8980276	54
7	4402004	2612	5597996	4518859	1.0581112	1021004	1281	8978996	5
8 9	4404615 4407227	2612	5595385 5592773	4521692 4524526	1.0578644 1.0576175	1022285 1023567	1282	8977715 8976433	5
10	4409838	$2611 \\ 2610$	5590162	4527360	1.0573706	1023307	$\frac{1282}{1283}$	8975151	5
11	4412448	2611	5587552	4530193	1.0571236	1026132	1284	8973868	4
12	4415059	2609	5584941	4533026	1.0568766	1027416	1285	8972584	4
13	4417668 4420278	2610	5582332 5579722	4535859 4538692	1.0566297 1.0563828	1028701 1029986	1285	8971299 8970014	4
15	4422887	2609 2609	5577113	4541525	1.0561357	1031273	$\frac{1287}{1287}$	8968727	4
16	4425496	2608	5574504	4544358	1.0558886	1032560	1287	8967440	4
17	4428104	2608	5571896 5569288	4547191 4550024	1.0556416	1033847	1289	8966153 8964864	43
18 19	4430712 4433319	2607	5566681	4552856	1.0553946 1.0551475	1035136 1036425	1289	8963575	4
20	4435927	$\frac{2608}{2607}$	5564073	4555688	1.0549004	1037715	$1290 \\ 1291$	8962285	4
21	4438534	2606	5561466	4558521	1.0546532	1039006	1291	8960994	3
22 23	4441140 4443746	2606	5558860 5556254	4561354 4564186	1.0544060 1.0541588	1040297 1041589	1292	8959703 8958411	3
24	4446352	2606	5553648	4567018	1.0539116	1041389	1293	8957118	3
25	4448957	$\frac{2605}{2605}$	5551043	4569850	1.0536643	1044176	$1294 \\ 1295$	8955824	3
26	- 4451562	2605	5548438	4572682	1.0534170	1045471	1295	8954529	3
27	4454167 4456771	2604	5545833 5543229	4575513 4578344	1.0531698 1.0529226	1046766 1048062	1296	8953 234 8951938	3
29	4459375	2604	5540625	4581176	1.0526752	1049359	1297 1297	8950641	3
30	4461978	2603 2603	5538022	4584008	1.0524278	1050656	1297	8949344	3
31	4464581	2603	5535419	4586839	1.0521804	1051955	1299	8948045	2
32 33	4467184 4469786	2602	5532816 5530214	4589670 4592501	1.0519330 1.0516856	1053254 1054554	1300	89 46746 89 45446	2 2
34	4472388	2602 2602	5527612	4595332	1.0514382	1055854	$\frac{1300}{1302}$	8944146	2
35	4474990	2601	5525010	4598163	1.0511908	1057156	1302	8942844	2
36	4477591	2601	5522409	4600994	1.0509434	1058458	1302	8941542	2
37 38	4480192 4482792	2600	5519808 5517208	4603825 4606656	1.0506958 1.0504482	1059760 1061064	1304	8940240 8938936	2 2
39	4485392	2600 2600	5514608	4609487	1.0502007	1062368	1304 1306	8937632	2
40	4487992	2599	5512008	4612318	1.0499532	1063674	1305	8936326	2
41	4490591	2599	5509409	4615148	1.0497056	1064979	1307	8935021	1
42 43	4493190 4495789	2599	5506810 5504211	4617978 4620808	1.0494580 1.0492103	1066286 1067594	1308	8933714 8932406	1 1
44	4498387	$\frac{2598}{2597}$	5501613	4623638	1.0489626	1068902	1308 1309	8931098	li
15	4500984	2598	5499016	4626468	1.0487149	1070211	1309	8929789	1
46	4503582	2597	5496418	4629298	1.0484672	1071520	1311	8928480	1
47 48	4506179 4508775	2596	5493821 5491225	4632128 4634958	1.0482195 1.0479718	$\begin{array}{c} 1072831 \\ 1074142 \end{array}$	1311	8927169 8925858	1
49	4511372	2597 2595	5488628	4637788	1.0477240	1075454	1312	8924546	li
50	4513967	2596	5486033	4640618	1.0474762	1076766	$\frac{1312}{1314}$	8923234	1
51	4516563	2595	5483437	4643447	1:0472284	1078080	1314	8921920	
52 53	4519158 4521753	2595	5480842 5478247	4646276 4649105	1.0469806 1.0467327	1079394 1080709	1315	8920606 8919291	
54	4524347	2594 2594	5475653	4651934	1.0464848	1082025	1316 1316	8917975	1
55	4526941	2594	5473059	4654763	1.0462369	1083341	1317	8916659	
56	4529535	2593	5470465	4657592	1.0459890	1084658	1318	8915342	
57 58	4532128 4534721	2593	5467872 5465279	4660421 4663250	1.0457411 1.0454932	1085976 1087295	1319	8914024 8912705	
59	4537313	$\frac{2592}{2592}$	5462687	4666079	1.0452452	1088615	1320	8911385	
60	4539905	4094	5460095	4668908	1 0449972	1089935	1320	8910065	
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

	27 Deg.				1				_
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2 3 4	4539905 4542497 4545088 4547679 4550269	2592 2591 2591 2590 2590	5460095 5457503 5454912 5452321 5449731	4668908 4671736 4674564 4677392 4680220	1.0449972 1.0447491 1.0445010 1.0442529 1.0440048	1089935 1091256 1092577 1093900 1095223	1321 1321 1323 1323 1324	8910065 8908744 8907423 8906100 8904777	59 58 57 56
5 6 7	4552859 4555449 4558038	2590 2589	5447141 5444551 5441962	4683048 4685876 4688704	1.0437567 1.0435086 1.0432604	1096547 1097872 1099197	1325 1325	8903453 8902128 8900803	55 54 53
8 9 10	4560627 4563216 4565804	2589 2589 2588 2588	5439373 5436784 5434196	4691532 4694360 4697188	1.0430122 1.0427640 1.0425158	1100524 1101851 1103178	1327 1327 1327 1329	8899476 8898149 8896822	52 51 50
11	4568392	2587	5431608	4700015	1·0422675	1104507	1329	8895493	49
12	4570979	2587	5429021	4702842	1·0420192	1105836	1330	8894164	48
13	4573566	2587	5426434	4705669	1·0417709	1107166	1331	8892834	47
14	4576153	2586	5423847	4708496	1·0415226	1108497	1332	8891503	46
15	4578739	2586	5421261	4711323	1·0412743	1109829	1332	8890171	45
16	4581325	2585	5418675	4714150	1·0410260	1111161	1333	8888839	44
17	4583910	2586	5416090	4716977	1·0407776	1112494	1334	8887506	43
18	4586496	2584	5413504	4719804	1·0405292	1113828	1334	8886172	42
19	4589080	2585	5410920	4722631	1·0402807	1115162	1335	8884838	41
20	4591665	2583	5408335	4725458	1·0400322	1116497	1337	8883503	40
21	4594248	2584	5405752	4728284	1·0397837	1117834	1336	8882166	39
22	4596832	2583	5403168	4731110	1·0395352	1119170	1338	8880830	38
23	4599415	2583	5400585	4733936	1·0392867	1120508	1338	8879492	37
24	4601998	2582	5398002	4736762	1·0390382	1121846	1339	8878154	36
25	4604580	2582	5395420	4739588	1·0387896	1123185	1340	8876815	35
26	4607162	2582	5392838	4742414	1.0385410	1124525	1341	8875475	34
27	4609744	2581	5390256	4745240	1.0382924	1125866	1341	8874134	32
28	4612325	2581	5387675	4748066	1.0380438	1127207	1342	8872793	32
29	4614906	2580	5385094	4750892	1.0377952	1128549	1343	8871451	31
30	4617486	2580	5382514	4753718	1.0375466	1129892	1343	8870108	30
31	4620066	2580	5379934	4756543	1.0372979	1131235	1345	8868765	28
32	4622646	2579	5377354	4759368	1.0370492	1132580	1345	8867420	28
33	4625225	2579	5374775	4762194	1.0368004	1133925	1345	8866075	27
34	4627804	2578	5372196	4765020	1.0365516	1135270	1347	8864730	26
35	4630382	2578	5369618	4767845	1.0363028	1136617	1347	8863383	25
36	4632960	2578	5367040	4770670	1.0360540	1137964	1348	8862036	24
37	4635538	2577	5364462	4773494	1.0358052	1139312	1349	8860688	23
38	4638115	2577	5361885	4776318	1.0355564	1140661	1350	8859339	22
39	4640692	2577	5359308	4779143	1.0353075	1142011	1350	8857989	21
40	4643269	2576	5356731	4781968	1.0350586	1143361	1351	8856639	20
41 42 43 44 45	4645845 4648420 4650996 4653571 4656145	2575 2576 2575 2574	5354155 5351580 5349004 5346429 5343855	4784792 4787616 4790441 4793266 4796090	1.0348097 1.0345608 1.0343118 1.0340628 1.0338138	1144712 1146064 1147416 1148770 1150124	1352 1352 1354 1354	8855288 8853936 8852584 8851230 8849876	19 18 17 16 15
46	4658719	2574	5341281	4798914	1.0335648	1151478	1354	8848522	14
47	4661293	2574	5338707	4801737	1.0333157	1152834	1356	8847166	13
48	4663866	2573	5336134	4804560	1.0330666	1154190	1356	8845810	12
49	4666439	2573	5333561	4807384	1.0328175	1155547	1357	8844453	11
50	4669012	2573	5330988	4810208	1.0325684	1156905	1358	8843095	10
51	4671584	2572	5328416	4813031	1.0323193	1158264	1359	8841736	9
52	4674156	2572	5325844	4815854	1.0320702	1159623	1359	8840377	8
53	4676727	2571	5323273	4818678	1.0318210	1160983	1360	8839017	7
54	4679298	2571	5320702	4821502	1.0315718	1162344	1361	8837656	6
55	4681869	2571	5318131	4824325	1.0313226	1163705	1361	8836295	5
56	4684439	2570	5815561	4827148	1.0310734	1165067	1362	8834933	4
57	4687009	2569	5312991	4829970	1.0308241	1166431	1364	8833569	3
58	4689578	2569	5310422	4832792	1.0305748	1167794	1363	8832206	2
59	4692147	2569	5307853	4835615	1.0303255	1169159	1365	8830841	1
60	4694716	2569	5305284	4838438	1.0300762	1170524	1365	8829476	0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

	20 Deg.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	4694716	2568	5305284	4838438	1·0300762	1170524	1366	8829476	60
1	4697284	2568	5302716	4841260	1·0298268	1171890	1367	8828110	59
2	4699852	2567	5300148	4844082	1·0295774	1173257	1367	8826743	58
3	4702419	2567	5297581	4846904	1·0293280	1174624	1369	8825376	57
4	4704986	2567	5295014	4849726	1·0290786	1175993	1369	8824007	56
5	4707553	2566	5292447	4852548	1·0288292	1177362	1369	8822638	55
6	4710119	2566	5289881	4855370	1.0285798	1178731	1371	8821269	54
7	4712685	2565	5287315	4858192	1.0283303	1180102	1371	8819898	53
8	4715250	2565	5284750	4861014	1.0280808	1181473	1372	8818527	52
9	4717815	2565	5282185	4863836	1.0278312	1182845	1373	8817155	51
10	4720380	2564	5279620	4866658	1.0275816	1184218	1373	8815782	50
11	4722944	2564	5277056	4869479	1.0273321	1185591	1374	8814409	49
12	4725508	2563	5274492	4872300	1.0270826	1186965	1375	8813035	48
13	4728071	2563	5271929	4875121	1.0268329	1188340	1376	8811660	47
14	4730634	2563	5269366	4877942	1.0265832	1189716	1377	8810284	46
15	4733197	2562	5266803	4880763	1.0263336	1191093	1377	8808907	45
16	4735759	2562	5264241	4883584	1.0260840	1192470	1378	8807530	44
17	4738321	2561	5261679	4886405	1.0258343	1193848	1378	8806152	43
18	4740882	2561	5259118	4889226	1.0255846	1195226	1380	8804774	42
19	4743443	2561	5256557	4892046	1.0253348	1196606	1380	8803394	41
20	4746004	2560	5258996	4894866	1.0250850	1197986	1381	8802014	40
21	4748564	2560	5251436	4897687	1.0248352	1199367	1382	8800633	39
22	4751124	2559	5248876	4900508	1.0245854	1200749	1382	8799251	38
23	4753683	2559	5246317	4903328	1.0243356	1202131	1383	8797869	37
24	4756242	2559	5243758	4906148	1.0240858	1203514	1384	8796486	36
25	4758801	2558	5241199	4908968	1.0238359	1204898	1385	8795102	35
26	4761359	2558	5238641	4911788	1.0235860	1206283	1385	8793717	34
27	4763917	2557	5236083	4914607	1.0233361	1207668	1386	8792332	33
28	4766474	2557	5233526	4917426	1.0230862	1209054	1387	8790946	32
29	4769031	2557	5230969	4920246	1.0228362	1210441	1388	8789559	31
30	4771588	2556	5228412	4923066	1.0225862	1211829	1388	8788171	30
31	4774144	2556	5225856	4925885	1.0223362	1213217	1389	8786783	29
32	4776700	2555	5223300	4928704	1.0220862	1214606	1390	8785394	28
33	4779255	2555	5220745	4931523	1.0218361	1215996	1391	8784004	27
34	4781810	2554	5218190	4934342	1.0215860	1217387	1391	8782613	26
35	4784364	2555	5215636	4937161	1.0213359	1218778	1392	8781222	25
36	4786919	2553	5213081	4939980	1.0210858	1220170	1393	8779830	24
37	4789472	2554	5210528	4942799	1.0208357	1221563	1394	8778437	23
38	4792026	2553	5207974	4945618	1.0205856	1222957	1394	8777043	22
39	4794579	2552	5205421	4948436	1.0203354	1224351	1395	8775649	21
40	4797131	2552	5202869	4951254	1.0200852	1225746	1396	8774254	20
41	4799683	2552	5200317	4954072	1.0198350	1227142	1396	8772858	19
42	4802235	2551	5197765	4956890	1.0195848	1228538	1398	8771462	18
43	4804786	2551	5195214	4959708	1.0193345	1229936	1398	8770064	17
44	4807337	2551	5192663	4962526	1.0190842	1231334	1398	8768666	16
45	4809888	2550	5190112	4965344	1.0188339	1232732	1400	8767268	15
46	4812438	2549	5187562	4968162	1.0185836	1234132	1400	8765868	14
47	4814987	2550	5185013	4970980	1.0183332	1235532	1401	8764468	13
48	4817537	2549	5182463	4973798	1.0180828	1236933	1402	8763067	12
49	4820086	2548	5179914	4976615	1.0178324	1238335	1402	8761665	11
50	4822634	2548	5177366	4979432	1.0175820	1239737	1404	8760263	10
51	4825182	2548	5174818	4982249	1 0173316	1241141	1404	8758859	9
52	4827730	2547	5172270	4985066	1 0170812	1242545	1404	8757455	8
53	4830277	2547	5169723	4987883	1 0168307	1243949	1406	8756051	7
54	4832824	2546	5167176	4990700	1 0165802	1245355	1406	8754645	6
55	4835370	2546	5164630	4993517	1 0163297	1246761	1407	8753239	5
56 57 58 59 60	4837916 4840462 4843007 4845552 4848096	2546 2545 2545 2544	5162084 5159538 5156993 5154448 5151904	4996334 4999151 5001968 5004784 5007600	1.0160792 1.0158286 1.0155780 1.0153274 1.0150768	1248168 1249575 1250984 1252393 1253803	1407 1409 1409 1410	8751832 8750425 8749016 8747607 8746197	4 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
	291	No. of Contract,	NATU	RAL SINE	s. Cosines,	&c.		Deg. 61.	

_	29 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2 3 4 5	4848096 4850640 4853184 4855727 4858270 4860812	2544 2544 2543 2543 2542 2542	5151904 5149360 5146816 5144273 5141730 5139188	5007600 5010416 5013232 5016048 5018864 5021680	1·0150768 1·0148261 1·0145754 1·0143247 1·0140740 1·0138233	1253803 1255214 1256625 1258037 1259450 1260863	1411 1411 1412 1413 1413 1415	8746197 8744786 8743375 8741963 8740550 8739137	59 58 57 56 55
6 7 8 9 10	4863354 4865895 4868436 4870977 4873517	2541 2541 2541 2540 2540	5136646 5134105 5131564 5129023 5126483	5024496 5027311 5030126 5032942 5035758	1.0135726 1.0133218 1.0130710 1.0128201 1.0125692	1262278 1263693 1265109 1266525 1267942	1415 1416 1416 1417 1418	8737722 8736307 8734891 8733475 8732058	54 53 52 51 50
11 12 13 14 15	4876057 4878597 4881136 4883674 4886212	2540 2539 2538 2538 2538 2538	5123943 5121403 5118864 5116326 5113788	5038573 5041388 5044202 5047016 5049831	1·0123184 1·0120676 1·0118166 1·0115656 1·0113147	1269360 1270779 1272199 1273619 1275040	1419 1420 1420 1421 1421	8730640 8729221 8727801 8726381 8724960	49 48 47 46 45
16 17 18 19 20	4888750 4891288 4893825 4896361 4898897	2538 2537 2536 2536 2536	5111250 5108712 5106175 5103639 5101103	5052646 5055460 5058274 5061089 5063904	1.0110638 1.0108128 1.0105618 1.0103107 1.0100596	1276462 1277884 1279307 1280731 1282156	1422 1423 1424 1425 1425	8723538 8722116 8720693 8719269 8717844	44 43 42 41 40
21 22 23 24 25	4901433 4903968 4906503 4909038 4911572	2535 2535 2535 2534 2533	5098567 5096032 5093497 5090962 5088428	5066718 5069532 5072345 5075158 5077972	1.0098086 1.0095576 1.0093064 1.0090552 1.0088041	1283581 1285007 1286434 1287862 1289290	1426 1427 1428 1428 1429	8716419 8714993 8713566 8712138 8710710	39 38 37 36 35
26 27 28 29 30	4914105 4916638 4919171 4921704 4924236	2533 2533 2533 2532 2531	5085895 5083362 5080829 5078296 5075764	5080786 5083599 5086412 5089225 5092038	1.0085530 1.0083017 1.0080504 1.0077992 1.0075480	1290719 1292149 1293580 1295011 1296443	1430 1431 1431 1432 1433	8709281 8707851 8706420 8704989 8703557	34 33 32 31 30
31 32 33 34 35	4926767 4929298 4931829 4934359 4936889	2531 2531 2530 2530 2530	5073233 5070702 5068171 5065641 5063111	5094851 5097664 5100477 5103290 5106103	1.0072967 1.0070454 1.0067940 1.0065426 1.0062912	1297876 1299309 1300744 1302179 1303614	1433 1435 1435 1435 1437	8702124 8700691 8699256 8697821 8696386	29 28 27 26 25
36 37 38 39 40	4939419 4941948 4944476 4947005 4949532	2529 2528 2529 2527 2528	5060581 5058052 5055524 5052995 5050468	5108916 5111728 5114540 5117352 5120164	1.0060398 1.0057884 1.0055370 1.0052855 1.0050340	1305051 1306488 1307926 1309364 1310804	1437 1438 1438 1440 1440	8694949 8693512 8692074 8690636 8689196	24 23 22 21 20
41 42 43 44 45	4952060 4954587 4957113 4959639 4962165	2527 2526 2526 2526 2526 2525	5047940 5045413 5042887 5040361 5037835	5122976 5125788 5128599 5131410 5134222	1.0047825 1.0045310 1.0042795 1.0040280 1.0037764	1312244 1313685 1315126 1316569 1318012	1441 1441 1443 1443 1444	8687756 8686315 8684874 8683431 8681988	19 18 17 16 15
46 47 48 49 50	4964690 4967215 4969740 4972264 4974787	2525 2525 2524 2523 2523	5035310 5032785 5030260 5027736 5025213	5137034 5139845 5142656 5145467 5148278	1.0035248 1.0032732 1.0030214 1.0027698 1.0025182	1319456 1320900 1322345 1323791 1325238	1444 1445 1446 1447 1448	8680544 8679100 8677655 8676209 8674762	14 13 12 11 10
51 52 53 54 55	4977310 4979833 4982355 4984877 4987399	2523 2522 2522 2522 2522 2521	5022690 5020167 5017645 5015123 5012601	5151089 5153900 5156710 5159520 5162330	1.0022664 1.0020146 1.0017629 1.0015112 1.0012593	1326686 1328134 1329583 1331033 1332483	1448 1449 1450 1450 1451	8673314 8671866 8670417 8668967 8667517	9 8 7 6 5
56 57 58 59 60	4989920 4992441 4994961 4997481 5000000	2521 2520 2520 2519	5010080 5007559 5005039 5002519 5000000	5165140 5167951 5170762 5173571 5176380	1.0010074 1.0007556 1.0005038 1.0002519 1.0000000	1333934 1335386 1336839 1338292 1339746	1452 1453 1453 1454	8666066 8664614 8663161 8661708 8660254	4 3 2 1 0
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'

	0.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff,	Cosine	,
0	5000000		5000000	5176380	1.0000000	1339746		8660254	60
1	5002519	2519	4997481	5179190	9997481	1341201	1455	8658799	59
2	5005037	2518	4994963	5182000	9994962	1342656	1455	8657344	58
3	5007556	2519	4992444	5184810	9992442	1344113	1457	8655887	57
4	5010073	2517	4989927	5187620	9989922	1345570	$\frac{1457}{1457}$	8654430	56
5	5012591	2518 2516	4987409	5190429	9987402	1347027	1459	8652973	55
6	5015107		4984893	5193238	9984882	1348486		8651514	54
7	5017624	$2517 \\ 2516$	4982376	5196047	9982361	1349945	1459 1460	8650055	53
8	5020140	2515	4979860	5198856	9979840	1351405	1461	8648595	52
9	5022655	2515	4977345	5201665	9977319	1352866	1461	8647134	51
10	5025170	2515	4974830	5204474	9974798	1854327	1462	8645673	50
11	5027685	2514	4972315	5207282	9972276	1355789	1463	8644211	49
12	5030199	2514	4969801	5210090	9969754	1357252	1464	8642748	48
13	5032713	2514	4967287	5212898	9967232	1358716	1464	8641284 8639820	47
14	5035227 5037740	2513	4964773 4962260	5215706 5218515	9964710 9962188	1360180 1361645	1465	8638355	45
		2512					1466		1 1
16	5040252	2513	4959748	5221324	9959666	1363111	1466	8636889	44
17 18	5042765	2511	4957235	5224131 5226938	9957143 9954620	1364577 1366044	1467	8635 423 863 3 956	43 42
19	5045276 5047788	2512	4954724	5229746	9954620	1367512	1468	8632488	41
20	5050298	2510 2511	4949702	5232554	9949574	1368981	1469	8631019	40
21	5052809	2511	4947191	5235362	9947051	1370451	1470	8629549	39
22	5055319	2510	4944681	5238170	9944528	1371921	1470	8628079	38
23	5057828	2509	4942172	5240977	9942004	1373392	1471	8626608	37
24	5060338	2510	4939662	5243784	9939480	1374863	1471	8625137	36
25	5062846	2508 2509	4937154	5246591	9936955	1376336	$\frac{1473}{1473}$	8623664	35
26	5065355		4934645	5249398	9934430	1377809		8622191	34
27	5067863	2508	4932137	5252205	9931905	1379283	1474	8620717	33
28	5070370	2507 2507	4929630	5255012	9929380	1380757	$\frac{1474}{1475}$	8619243	32
29	5072877	2507	4927123	5257818	9926855	1382232	1476	8617768	31
30	5075384	2506	4924616	5260624	9924330	1383708	1477	8616292	30
31	5077890	2506	4922110	5263430	9921804	1385185	1478	8614815	29
32	5080396	2505	4919604	5266236	9919278	1386663	1478	8613337	28
33	5082901	2505	4917099	5269043	9916752	1388141	1479	8611859	27
34	5085406	2504	4914594	5271850	9914226	1389620	1479	8610380	26
35	5087910	2504	4912090	5274655	9911700	1391099	1481	8608901	25
36	5090414	2504	4909586	5277460	9909174	1392580	1481	8607420	24
37	5092918	2503	4907082	5280266	9906647	1394061	1482	8605939 8604457	23
38 39	5095421 5097924	2503	4904579 4902076	5283072 5285878	9904120 9901592	1395543 1397025	1482	8602975	21
40	5100426	2502	4899574	5288684	9899064	1398509	1484	8601491	20
		2502			1		1484		1
41	5102928 5105429	2501	4897072	5291489 5294294	9896537 9894010	1399993 1401477	1484	8600007 8598523	19 18
43	5103429	2501	4894571 4892070	5294294 5297099	9891481	1402963	1486	8597037	17
44	5110431	2501	4889569	5299904	9888952	1404449	1486	8595551	16
45	5112931	$\frac{2500}{2500}$	4887069	5302709	9886424	1405936	1487 1488	8594064	15
46	5115431		4884569	5305514	9883896	1407424		8592576	14
47	5117930	2499	4882070	5308318	9881367	1408912	1488	8591088	13
48	5120429	2499	4879571	5311122	9878838	1410401	1489 1490	8589599	12
49	5122927	2498 2498	4877073	5313927	9876308	1411891	1490	8588109	11
50	5125425	2498 2498	4874575	5316732	9873778	1413381	1492	8586619	10
51	5127923	2497	4872077	5319536	9871248	1414873	1492	8585127	9
52	5130420	2497 2496	4869580	5322340	9868718	1416365	1492	8583635	8
53	5132916	2497	4867084	5325143	9866188	1417857	1494	8582143	8 7 6
54	5135413	2495	4864587 4862092	5327946	9863658	1419351	1494	8580649 8579155	5
55	5137908	2496		5330750	9861127	1420845	1495		1 1
56	5140404	2495	4859596	5333554	9858596	1422340	1496	8577660	4
57	5142899	2494	4857101	5336358	9856065	1423836	1496	8576164	3 2
58 59	5145393 5147887	2494	4854607 4852113	5339162 5341965	9853534 9851003	1425332 1426829	1497	8574668 8573171	1
60	5150381	2494	4849619	5341900	9848472	1428327	1498	8571673	ō
•	0100001		1010010	3011100	0010172			3	
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	1				1				
-	<u></u>				1				1
100			37						

	or peg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	5150381	2493	4849619	5344768	9848472	1428327	1499	8571673	60
1	5152874	2493	4847126	5347571	9845940	1429826	1499	8570174	59
2	5155367	2492	4844633	5350374	9843408	1431325	1500	8568675	58
3	5157859	2492	4842141	5353176	9840875	1432825	1501	8567175	57
4	5160351	2491	4839649	5355978	9838342	1434326	1501	8565674	56
5	5162842	2491	4837158	5358781	9835809	1435827	1502	8564173	55
6	5165333		4834667	5361584	9833276	1437329		8562671	54
7	5167824	2491	4832176	5364386	9830743	1438832	1503	8561168	53
8	5170314	2490	4829686	5367188	9828210	1440336	1504	8559664	52
9	5172804	2490	4827196	5369990	9825677	1441840	1504	8558160	51
10	5175293	2489	4824707	5372792	9823144	1443345	1505	8556655	50
11	5177782	2489	4822218	5375594	9820610	1444851	1506	8555149	49
12	5180270	2488	4822218	5378396	9818076	1444851	1506	8553643	48
13		2488					1508		
14	5182758	2488	4817242	5381198	9815541	1447865	1508	8552135	47
15	5185246 5187733	2487	4814754	5384000	9813006	1449373	1508	8550627 8549119	46
		2486	4812267	5386801	9810471	1450881	1510		45
16	5190219	2486	4809781	5389602	9807936	1452391	1510	8547609	44
17	5192705	2486	4807295	5392403	9805401	1453901	1511	8546099	43
18	5195191	2485	4804809	5395204	9802866	1455412	1511	8544588	42
19	5197676	2485	4802324	5398005	9800330	1456923	1513	8543077	41
20	5200161	2485	4799839	5400806	9797794	1458436	1513	8541564	40
21	5202646		4797354	5403607	9795258	1459949		8540051	39
22	5205130	2484	4794870	5406408	9792722	1461462	1513	8538538	38
23	5207613	2483	4792387	5409208	9790186	1462977	1515	8537023	37
24	5210096	2483	4789904	5412008	9787650	1464492	1515	8535508	36
25	5212579	2483	4787421	5414809	9785113	1466008	1516	8533992	35
1 1		2482					1517		
26	5215061	2482	4784939	5417610	9782576	1467525	1517	8532475	34
27	5217543	2481	4782457	5420410	9780038	1469042	1518	8530958	: 33
29	5220024 5222505	2481	4779976	5423210	9777500	1470560	1519	8529440	32
30	5224986	2481	4777495	5426009	9774962	1472079	1519	8527921	31
1		2480	4775014	5428808	9772424	1473598	1521	8526402	30
31	5227466	2479	4772534	5431608	9769886	1475119	1501	8524881	29
32	5229945	2479	4770055	5434408	9767348	1476640	1521 1521	8523360	28
33	5232424	2479	4767576	5437207	9764810	1478161	1523	8521839	27
34	5234903	2478	4765097	5440006	9762272	1479684	1523	8520316	26
35	5237381	2478	4762619	5442805	9759733	1481207	1524	8518793	25
36	5239859		4760141	5445604	9757194	1482731		8517269	24
37	5242336	2477	4757664	5448403	9754654	1484255	1524	8515745	23
38	5244813	2477	4755187	5451202	9752114	1485781	1526	8514219	22
39	5247290	2477	4752710	5454001	9749574	1487307	1526	8512693	21
40	5249766	2476	4750234	5456800	9747034	1488833	1526	8511167	20
41	FOROGIA	2475					1528		1
42	5252241	2476	4747759	5459598	9744494	1490361	1528	8509639	19
43	. 5254717	2474	4745283	5462396	9741954	1491889	1529	8508111	18
44	5257191	2474	4742809	5465195	9739413	1493418	1529	8506582	17
45	5259665 5262139	2474	4740335	5467994	9736872	1494947	1531	8505053	16
	0202139	2474	4737861	5470791	9734331	1496478	1531	8503522	15
46	5264613	2472	4735387	5473588	9731790	1498009	1532	8501991	14
47	5267085	2473	4732915	5476386	9729249	1499541		8500459	13
48	5269558	2472	4730442	5479184	9726708	1501073	1532 1533	8498927	12
49	5272030	2472	4727970	5481982	9724166	1502606	1534	8497394	11
50	5274502	2471	4725498	5484780	9721624	1504140	1535	8495860	10
51	5276973		4723027	5487577	9719082	1505675		8494325	9
52	5279443	2470	4720557	5490374	9716540	1507210	1535	8492790	8
53	5281914	2471	4718086	5493171	9713997	1508746	1536	8491254	7
54	5284383	2469	4715617	5495968	9711454	1510283	1537	8489717	8 7 6
55	5286853	2470	4713147	5498765	9708911	1511821	1538	8488179	5
56		2469					1538		100
57	5289322	2468	4710678	5501562	9706368	1513359	1539	8486641	3 2
58	5291790 5294258	2468	4708210	5504358	9703824	1514898	1540	8485102	3
59	5294268 529672 6	2468	4705742	5507154	9701280	1516438	1540	8483562	1
60	5299 193	2467	4703274 4700807	5509951 5512748	9698736 9696192	1517978 1519519	1541	8482022 8480481	0
100	0400100		4100001	3012/40	9090192	1019019		0400401	
1,	Cosine	Diff.	Y7oma	Co. ab an 3	Ch?	Corrore	Diff.	Cina	,
1	Cosine	Din.	Vers.	Co-chord	Chord	Covers.	Dill.	Sine	

8	32 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	529 91 93 5301659	2466 2466	4700807 4698341	5512748 5515544	9696192 9693648	1519519 1521061	1542 1542	8480481 8478939	60 59
2 3	5304125 5306591	2466	4695875 4693409	5518340 5521135	9691104 9688559	1522603 1524147	1544	8477397 8475853	58
4	5309057	$2466 \\ 2464$	4690943	5523930	9686014	1525691	1544 1544	8474309	56
5	5311521	2465	4688479	5526726	9683469	1527235	1544	8472765	55
6	5313986	2464	4686014	5529522	9680924 9678378	1528781 1530327	1546	8471219	54
8	5316450 5318913	2463	4683550 4681087	5532317 5535112	9675832	1531874	1547	8469673 8468126	53
9	5321376	2463 2463	4678624	5537908	9673286	1533421	1547 1549	8466579	51
10	5323839	2462	4676161	5540704	9670740	1534970	1549	8465030	50
11 12	5326301 5328763	2462	4673699 4671237	5543499 5546294	9668194 9665648	1536519 1538068	1549	8463481 8461932	49
13	5331224	2461	4668776	5549088	9663101	1539619	1551	8460381	48
14	5333685	$\frac{2461}{2460}$	4666315	5551882	9660554	1541170	1551 1552	8458830	46
15	5336145	2460	4663855	5554677	9658007	1542722	1552	8457278	45
16 17	5338605	2460	4661395	5557472 5560266	9655460 9652912	1544274	1554	8455726 8454172	44 43
18	5341065 5343523	2458	4658935 4656477	5563060	9650364	1545828 1547382	1554	8452618	43
19	5345982	$\frac{2459}{2458}$	4654018	5565854	9647816	1548936	1554 1556	8451064	41
20	5348440	2458	4651560	5568648	9645268	1550492	1556	8449508	40
21 22	5350898	2457	4649102 4646645	5571442	9642720 9640172	1552048	1557	8447952 8446395	39
23	5353355 5355812	2457	4644188	5574236 5577029	9637623	1553605 1555162	1557	8444838	38
24	5358268	$2456 \\ 2456$	4641732	5579822	9635074	1556721	1559 1559	8443279	36
25	5360724	2455	4639276	5582615	9632524	1558280	1559	8441720	35
26	5363179	2455	4636821	5585408	9629974	1559839	1561	8440161	34
27 28	5365634 5368089	2455	4634366 4631911	5588201 5590994	9627425 9624876	1561400 1562961	1561	8438600 8437039	33
29	5370543	$\frac{2454}{2453}$	4629457	5593787	9622326	1564523	$1562 \\ 1563$	8435477	31
30	5372996	2453	4627004	5596580	9619776	1566086	1563	8433914	30
31	5375449	2453	4624551	5599373	9617225	1567649	1564	8432351	29
32	5377902 5380354	2452	4622098 4619646	5602166 5604958	9614674 9612123	1569213 1570778	1565	8430787 8429222	28 27
34	5382806	$2452 \\ 2451$	4617194	5607750	9609572	1572343	1565 1566	8427657	26
35	5385257	2451	4614743	5610542	9607021	1573909	1567	8426091	25
36 37	5387708 5390158	2450	$\frac{4612292}{4609842}$	5613334 5616126	9604470 9601918	1575476 1577044	1568	8424524 8422956	24 23
38	5392608	2450	4607392	5618918	9599366	1578612	1568	8421388	22
39	5395058	$\frac{2450}{2449}$	4604942	5621710	9596814	1580181	1569 1570	8419819	21
40	5397507	2448	4602493	5624502	9594262	1581751	1570	8418249	20
41	5399955 5402403	2448	4600045 4597597	5627293 5630084	9591710 9589158	158332 1 1584892	1571	8416679 8415108	19
43	5404851	2448	4595149	5632875	9586605	1586464	1572	8413536	18 17
44	5407298	$\frac{2447}{2447}$	4592702	5635666	9584052	1588037	$\frac{1573}{1573}$	8411963	16
45	5409745	2446	4590255	5638457	9581498	1589610	1574	8410390	15
46	5412191 5414637	2446	4587809 4585363	5641248 5644039	9578944 9576391	1591184 1592759	1575	8408816 8407241	14
48	5417082	2445	4582918	5646830	9573838	1594334	1575	8405666	12
49	5419527	$\frac{2445}{2444}$	4580473	5649620	9571283	1595910	$\frac{1576}{1577}$	8404090	11
50	5421971	2444	4578029	5652410	9568728	1597487	1577	8402513	10
51 52	5424415 5426859	2444	4575585 4573141	5655200 5657990	9566174 9563620	1599064 1600643	1579	840093 6 839935 7	8
53	5429302	$\frac{2443}{2442}$	4570698	5660780	9561065	1602222	$1579 \\ 1579$	8397778	7
54 55	5431744	2442	4568256	5663570	9558510	1603801	1581	8396199	6 5
	5434187	2441	4565813	5666360	9555955	1605382	1581	8394618	1 1
56 57	5436628 5439069	2441	4563372 4560931	5669150 5671939	9553400 9550844	1606963 1608545	1582	8393037 8391455	3
58	5441510	$2441 \\ 2441$	4558490	5674728	9548288	1610127	1582 1583	8389873	2
59 60	5443951 544 639 0	2439	4556049 455361 0	5677517 5680306	9545732 9543176	1611710 1613294	1584	8388290 8386706	1 0
	222000		1000010	300000				3000,00	
′	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'
	2 95		NATU			es, &c.		Deg. 5	7.
					V				

- 1					1				T
•	Sine	Diff.	Covers,	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	5446390	2440	4553610	5680306	9543176	1613294	1101	8386706	6
1	5448830	2440 2439	4551170	5683095	9540619	1614879	1585 1585	8385121	5
2	5451269	2438	4548731	5685884	9538062	1616464	1586	8383536	5
3	5453707	2438	4546293	5688673	9535505	1618050	1587	8381950	5
4	5456145	2438	4543855	5691462	9532948	1619637	1588	8380363	5
5	5458583	2437	4541417	5694251	9530391	. 1621225	1588	8378775	5
6	5461020	2436	4538980	5697040	9527834 9525276	1622813	1589	8377187	5
7 8	5463456 5465892	2436	4536544 4534108	5699828 5702616	9525276	$\begin{array}{c} 1624402 \\ 1625991 \end{array}$	1589	8375598 8374009	5 5
9	5468328	2436	4531672	5705404	9520160	1627582	1591	8372418	5
10	5470763	$2435 \\ 2435$	4529237	5708192	9517602	1629173	1591 1591	8370827	5
11	5473198	2434	4526802	5710980	9515043	1630764		8369236	4
12	5475632	2434	4524368	5713768	9512484	1632357	1593 1593	8367643	4
13	5478066	2433	4521934	5716555	9509925	1633950	1594	8366050	4
14	5480499	2433	4519501	5719342	9507366	1635544	1594	8364456	4
15	5482932	2433	4517068	5722129	9504807	1637138	1596	8362862	4
16	5485365	2432	4514635	5724916	9502248	1638734	1596	8361266	4
17	5487797	2431	4512203	5727704	9499688	1640330	1596	8359670	4
18 19	5490228 5492659	2431	4509772 4507341	5730492 5733278	9497128 9494568	$\begin{array}{c} 1641926 \\ 1643524 \end{array}$	1598	8358074 8356476	4
20	5495090	2431	4504910	5736064	9492008	1645122	1598	8354878	4
21	5497520	2430	4502480				1599	8353279	3
$\frac{21}{22}$	5497520	2430	4500050	5738851 5741638	9489447 9486886	1646721 1648320	1599	8351680	3
23	5502379	2429	4497621	5744424	9484325	1649920	1600	8350080	3
24	5504807	$\frac{2428}{2429}$	4495193	5747210	9481764	1651521	1601	8348479	3
25	5507236	2429	4492764	5749996	9479203	1653123	$\frac{1602}{1602}$	8346877	3.
26	5509663	2428	4490337	5752782	9476642	1654725		8345275	3
27	5512091	2427	4487909	5755568	9474080	1656328	1603 1604	8343672	3
28	5514518	2426	4485482	5758354	9471518	1657932	1605	8342068	3
29 30	5516944 5519370	2426	4483056 4480630	5761140 5763926	9468956 9466394	1659537 1661142	1605	8340463 8338858	3:
1		2425					1606		
31 32	5521795 5524220	2425	4478205 4475780	5766711 5769496	9463831 9461268	1662748	1606 -	8337252 8335646	29
33	5526645	2425	4473355	5772281	9451208	1664354 1665962	1608	8334038	2
34	5529069	$2424 \\ 2423$	4470931	5775066	9456142	1667570	1608	8332430	20
35	5531492	2423	4468508	5777851	9453579	1669178	$\frac{1608}{1610}$	8330822	2
36	5533915	2423	4466085	5780636	9451016	1670788		8329212	24
37	5536338	2423	4463662	5783421	9448452	1672398	1610	8327602	2
38	5538760	2422	4461240	5786206	9445888	1674009	1611 1611	8325991	22
89	5541182	2421	4458818	5788990	9443324	1675620	1612	8324380	21
40	5543603	2421	4456397	5791774	9440760	1677232	1613	8322768	20
41	5546024	2420	4453976	5794558	9438195	1678845	1614	8321155	18
42 43	5548444 5550864	2420	4451556 4449136	5797342 5800126	9435630 9433065	1680459 1682073	1614	8319541	18
44	5553283	2419	4446717	5802910	9430500	1683688	1615	8317927 8316312	17
45	5555702	$2419 \\ 2419$	4444298	5805694	9427935	1685304	1616	8314696	15
46	5558121		4441879	5808478	9425370	1686920	1616	8313080	14
47	5560539	2418	4439461	5811261	9422804	1688537	1617	8311463	18
48	5562956	$2417 \\ 2417$	4437044	5814044	9420238	1690155	1618	8309845	12
49	5565373	2417	4434627	5816827	9417672	1691774	$\frac{1619}{1619}$	8308226	11
50	5567790	2416	4432210	5819610	9415106	1693393	1620	8306607	10
51	5570206	2415	4429794	5822393	9412539	1695013	1621	8304987	9
52	5572621 5575036	2415	4427379	5825176	9409972	1696634	1621	8303366	7
53 54	5577451	2415	4424964 4422549	5827959 5830742	9407405 9404838	1698255 1699877	1622	8301745 8300123	1 7
55	5579865	2414	4420135	5833524	9402271	1701500	1623	8298500	5
56	5582279	2414	4417721	5836306	9399704	1703123	1623	8296877	1
57	5584692	2413	4415308	5839088	9397136	1703123	1625	8295252	3 2 1
58	5587105	2413 2412	4412895	5841870	9394568	1706372	1624	8293628	2
59	5589517	2412	4410483	5844652	9392000	1707998	$1626 \\ 1626$	8292002	1
30	5591929		4408071	5847434	9389432	1709624	1040	8290376	0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers,	Diff.	Sine	,

	Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2 3 4 5	5591929 5594340 5596751 5599162 5601572 5603981	2411 2411 2411 2410 2409	4408071 4405660 4403249 4400838 4398428 4396019	5847434 5850216 5852998 5855779 5858560 5861341	9389432 9386863 9384294 9381725 9379156 9376587	1709624 1711251 1712879 1714507 1716136 1717766	1627 1628 1628 1629 1630	8290376 8288749 8287121 8285493 8283864 8282234	60 59 58 57 56 55
6 7 8 9 10	5606390 5608798 5611206 5613614 5616021	2409 2408 2408 2408 2407 2407	4393610 4391202 4388794 4386386 4383979	5864122 5866903 5869684 5872465 5875246	9374018 9371448 9368878 9366308 9363738	1719397 1721028 1722660 1724292 1725926	1631 1631 1632 1632 1634 1634	8280603 8278972 8277340 8275708 8274074	54 53 52 51 50
11	5618428	2406	4381572	5878026	9361167	1727560	1634	8272440	49
12	5620834	2405	4379166	5880806	9358596	1729194	1636	8270806	48
13	5623239	2406	4376761	5883586	9356025	1730830	1636	8269170	47
14	5625645	2404	4374355	5886366	9353454	1732466	1637	8267534	46
15	5628049	2404	4371951	5889146	9350883	1734103	1637	8265897	45
16	5630453	2404	4369547	5891926	9348312	1735740	1638	8264260	44
17	5632857	2403	4367143	5894706	9345740	1737378	1639	8262622	43
18	5635260	2403	4364740	5897486	9343168	1739017	1640	8260983	42
19	5637663	2403	4362337	5900265	9340596	1740657	1640	8259343	41
20	5640066	2401	4359934	5903044	9338024	1742297	1641	8257703	40
21	5642467	2402	4357533	5905824	9335451	1743938	1642	8256062	39
22	5644869	2401	4355131	5908604	9332878	1745580	1642	8254420	38
23	5647270	2400	4352730	5911383	9330305	1747222	1643	8252778	37
24	5649670	2400	4350330	5914162	9327732	1748865	1644	8251135	36
25	5652070	2399	4347930	5916940	9325159	1750509	1644	8249491	35
26	5654469	2399	4345531	5919718	9322586	1752153	1645	8247847	34
27	5656868	2399	4343132	5922497	9320012	1753798	1646	8246202	33
28	5659267	2398	4340733	5925276	9317438	1755444	1647	8244556	32
29	5661665	2397	4338335	5928054	9314864	1757091	1647	8242909	31
30	5664062	2397	4335938	5930832	9312290	1758738	1648	8241262	30
31	5666459	2397	4333541	5933610	9309716	1760386	1649	8239614	29
32	5668856	2396	4331144	5936388	9307142	1762035	1649	8237965	28
33	5671252	2396	4328748	5939165	9304567	1763684	1650	8236316	27
34	5673648	2395	4326352	5941942	9301992	1765334	1651	8234666	26
35	5676043	2394	4323957	5944720	9299416	1766985	1651	8233015	25
36	5678437	2395	4321563	5947498	9296840	1768636	1652	8231364	24
37	5680832	2393	4319168	5950275	9294265	1770288	1653	8229712	23
38	5683225	2394	4316775	5953052	9291690	1771941	1654	8228059	22
39	5685619	2392	4314381	5955829	9289114	1773595	1654	8226405	21
40	5688011	2392	4311989	5958606	9286538	1775249	1655	8224751	20
41	5690403	2392	4309597	5961382	9283961	1776904	1656	8223096	19
42	5692795	2392	4307205	5964158	9281384	1778560	1656	8221440	18
43	5695187	2390	4304813	5966935	9278807	1780216	1657	8219784	17
44	5697577	2391	4302423	5969712	9276230	1781873	1658	8218127	16
45	5699968	2389	4300032	5972488	9273653	1783531	1658	8216469	15
46	5702357	2390	4297643	5975264	9271076	1785189	1659	8214811	14
47	5704747	2389	4295253	5978040	9268498	1786848	1660	8213152	13
48	5707136	2388	4292864	5980816	9265920	1788508	1660	8211492	12
49	5709524	2388	4290476	5983592	9263342	1790168	1662	8209832	11
50	5711912	2388	4288088	5986368	9260764	1791830	1661	8208170	10
51	5714299	2387	4285701	5989143	9258186	1793491	1663	8206509	9
52	5716686	2387	4283314	5991918	9255608	1795154	1663	8204846	8
53	5719073	2386	4280927	5994693	9253029	1796817	1664	8203183	7
54	5721459	2385	4278541	5997468	9250450	1798481	1665	8201519	6
55	5723844	2385	4276156	6000243	9247871	1800146	1665	8199854	5
56 57 58 59 60	5726229 5728614 5730998 5733381 5735764	2385 2384 2383 2383	4273771 4271386 4269002 4266619 4264236	6003018 6005793 6008568 6011342 6014116	9245292 9242712 9240132 9237552 9234972	1801811 1803477 1805144 1806811 1808480	1666 1667 1667 1669	8198189 8196523 8194856 8193189 8191520	1 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
-	1				<u> </u>				1

_		35 Deg.								
	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff	Cosine	,
	0	5735764	2383	4264236	6014116	9234972	1808480	1668	8191520	60
	1	5738147	2382	4261853	6016890	9232392	1810148	1670	8189852	59
	2	5740529	2382	4259471	6019664	9229812	1811818	1670	8188182	58
	3	5742911	2381	4257089	6022438	9227231	1813488	1671	8186512	57
	4	5745292	2380	4254708	6025212	9224650	1815159	1672	8184841	56
	5	5747672	2381	4252328	6027986	9222069	1816831	1672	8183169	55
	6	5750053	2379	4249947	6030760	9219488	1818503	1673	8181497	54
	7	5752432	2379	4247568	6033533	9216906	1820176	1673	8179824	53
	8	5754811	2379	4245189	6036306	9214324	1821849	1675	8178151	52
	9	5757190	2378	4242810	6039079	9211742	1823524	1675	8176476	51
	10	5759568	2378	4240432	6041852	9209160	1825199	1676	8174801	50
	11 12 13 14 15	5761946 5764323 5766700 5769076 5771452	2377 2377 2376 2376 2376 2375	4238054 4235677 4233300 4230924 4228548	6044625 6047398 6050170 6052942 6055715	9206578 9203996 9201413 9198830 9196247	1826875 1828551 1830228 1831906 1833584	1676 1677 1678 1678 1680	8173125 8171449 8169772 8168094 8166416	49 48 47 46 45
	16	5773827	2375	4226173	6058488	9193664	1835264	1680	8164736	44
	17	5776202	2374	4223798	6061260	9191080	1836944	1680	8163056	43
	18	5778576	2374	4221424	6064032	9188496	1838624	1681	8161376	42
	19	5780950	2373	4219050	6066804	9185913	1840305	1682	8159695	41
	20	5783323	2373	4216677	6069576	9183330	1841987	1683	8158013	40
	21	5785696	2373	4214304	6072347	9180745	1843670	1683	8156330	39
	22	5788069	2371	4211931	6075118	9178160	1845353	1684	8154647	38
	23	5790440	2372	4209560	6077890	9175576	1847037	1685	8152963	37
	24	5792812	2371	4207188	6080662	9172992	1848722	1685	8151278	36
	25	5795183	2370	4204817	6083433	9170406	1850407	1687	8149593	35
	26	5797553	2370	4202447	6086204	9167820	1852094	1686	8147906	34
	27	5799923	2369	4200077	6088974	9165235	1853780	1688	8146220	33
	28	5802292	2369	4197708	6091744	9162650	1855468	1688	8144532	32
	29	5804661	2369	4195339	6094515	9160064	1857156	1689	8142844	31
	30	5807030	2367	4192970	6097286	9157478	1858845	1689	8141155	30
	31	5809397	2368	4190603	6100056	9154892	1860534	1691	8139466	29
	32	5811765	2367	4188235	6102826	9152306	1862225	1691	8137775	28
	33	5814132	2366	4185868	6105596	9149719	1863916	1691	8136084	27
	34	5816498	2366	4183502	6108366	9147132	1865607	1692	8134393	26
	35	5818864	2366	4181136	6111136	9144545	1867299	1693	8132701	25
	36	5821230	2365	4178770	6113906	9141958	1868992	1694	8131008	24
	37	5823595	2364	4176405	6116676	9139371	1870686	1694	8129314	23
	38	5825959	2364	4174041	6119446	9136784	1872380	1695	8127620	22
	39	5828323	2364	4171677	6122215	9134196	1874075	1696	8125925	21
	40	5830687	2363	4169313	6124984	9131608	1875771	1697	8124229	20
	41	5833050	2362	4166950	6127753	9129020	1877468	1697	8122532	19
	42	5835412	2362	4164588	6130522	9126432	1879165	1698	8120835	18
	43	5837774	2362	4162226	6133291	9123843	1880863	1698	8119137	17
	44	5840136	2361	4159864	6136060	9121254	1882561	1699	8117439	16
	45	5842497	2360	4157503	6138828	9118665	1884260	1700	8115740	15
	46	5844857	2360	4155143	6141596	9116076	1885960	1701	8114040	14
	47	5847217	2360	4152783	6144364	9113487	1887661	1701	8112339	13
	48	5849577	2359	4150423	6147132	9110898	1889362	1702	8110638	12
	49	5851936	2358	4148064	6149900	9108308	1891064	1702	8108936	11
	50	5854294	2358	4145706	6152668	9105718	1892766	1704	8107234	10
	51	5856652	2358	4143348	6155436	9103128	1894470	1704	8105530	9
	52	5859010	2357	4140990	6158204	9100538	1896174	1704	8103826	8
	53	5861367	2357	4138633	6160971	9097948	1897878	1706	8102122	7
	54	5863724	2356	4136276	6163738	9095358	1899584	1706	8100416	6
	55	5866080	2355	4133920	6166505	9092767	1901290	1706	8098710	5
	56 57 58 59 60	5868435 5870790 5873145 5875499 5877853	2355 2355 2354 2354	4131565 4129210 4126855 4124501 4122147	6169272 6172039 6174806 6177573 6180340	9090176 9087585 9084994 9082402 9079810	1902996 1904704 1906412 1908121 1909830	1708 1708 1709 1709	8097004 8095296 8093588 8091879 8090170	4 3 2 1 0
	,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
- 1						1				1

	36 Deg.			-					
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2	5877853 5880206 5882558	2353 2352	4122147 4119794 4117442	6180340 6183106 6185872	9079810 9077218 9074626	1909830 1911540 1913251	1710 1711	8090170 8088460 8086749	60 59 58
3 4 5	5884910 5887262 5889613	2352 2352 2351	4115090 4112738 4110387	6188638 6191404 6194170	9072034 9069442 9066849	1914963 1916675 1918388	1712 1712 1713	8085037 8083325 8081612	57 56 55
6 7	5891964 5894314	2351 2350 2349	4108036 4105686	6196936 6199702	9064256 9061663	1920101 1921815	1713 1714 1715	8079899 8078185	54 53
8 9 10	5896663 5899012 5901361	2349 2349 2348	4103337 4100988 4098639	6202468 6205233 6207998	9059070 9056476 9053882	$\begin{array}{c} 1923530 \\ 1925246 \\ 1926962 \end{array}$	1716 1716 1717	8076470 8074754 8073038	52 51 50
11 12 13	5903709 5906057 5908404	2348 2347	4096291 4093943 4091596	6210763 6213528 6216293	9051288 9048694 9046100	1928679 1930397 1932115	1718 1718	8071321 8069603 8067885	49 48 47
14 15	5910750 5913096	2346 2346 2346	4089250 4086904	$\begin{array}{c} 6219058 \\ 6221823 \end{array}$	9043506 9040911	$\frac{1933834}{1935554}$	$\begin{array}{c} 1719 \\ 1720 \\ 1720 \end{array}$	8066166 80644 4 6	46 45
16 17 18	5915442 5917787 5920132	2345 2345 2344	4084558 4082213 4079868	6224588 6227352 6230116	9038316 9035721 9033126	1937274 1938995 1940717	$\begin{array}{c} 1721 \\ 1722 \\ 1723 \end{array}$	8062726 8061005 8059283	44 43 42
19 20 21	5922476 5924819 5927163	2343 2344	4077524 4075181 4072837	6232880 6235644 6238408	9030530 9027934 9025339	1942440 1944163 1945887	1723 1724	8057560 8055837 8054113	41 40 39
22 23 24	5929505 5931847 5934189	2342 2342 2342	4070495 4068153	6241172 6243935	9022744 9020147	1947611 1949336 1951062	1724 1725 1726	8052389 8050664 8048938	38 37 36
25 26	5936530 5938871	$2341 \\ 2341$	4065811 4063470 4061129	6246698 6249461 6252224	9017550 9014954 9012358	1952789 1954516	1727 1727 1728	8045484 8045484	35
27 28 29	5941211 5943550 5945889	2340 2339 2339 2339	4058789 4056450 4054111	6254987 6257750 6260513	9009761 9007164 9004566	1956244 1957972 1959701	1728 1728 1729 1730	8043756 8042028 8040299	33 32 31
30 31 32	5948228 5950566 5952904	2338 2338	4051772 4049434 4047096	6263276 6266038 6268800	9001968 8999371 8996774	1961431 1963162 1964893	1731 1731	8038569 8036838 8035107	30 29 28
33 34 35	5955241 5957577 5959913	2337 2336 2336	4044759 4042423 4040087	6271563 6274326 6277088	8994176 8991578 8988979	1966625 1968358 1970091	1732 1733 1733 1734	8033375 8031642 8029909	27 26 25
36 37 38	5962249 5964584	2336 2335 2334	4037751 4035416	6279850 6282611	8986380 8983781	1971825 1973560	1735 1735	8028175 8026440	24 23
39 40	5966918 5969252 5971586	2334 2334 2333	4033082 4030748 4028414	6285372 6288134 6290896	8981182 8978583 8975984	1975295 1977031 1978768	1736 1737 1737	8024705 8022969 8021232	22 21 20
41 42 43	5973919 5976251 5978583	2332 2332	4026081 4023749 4021417	6293657 6296418 6299178	8973384 8970784 8968184	1980505 1982244 1983982	1739 1738	8019495 8017756 8016018	19 18 17
44 45	5980915 5983246	2332 2331 2331	4019085 4016754	6301938 6304699	8965584 8962984	$\begin{array}{c} 1985722 \\ 1987462 \end{array}$	1740 1740 1741	8014278 8012538	16
46 47 48	5985577 5987906 5990236	2329 2330	4014423 4012094 4009764	6307460 6310220 6312980	8960384 8957783 8955182	1989203 1990944 1992686	1741 1742	8010797 8009056 8007314	14 18 12
49 50	5992565 5994893	2329 2328 2328	4007435 4005107	6315740 6318500	8952581 8949980	1994429 1996173	1743 1744 1744	8005571 8003827	11
51 52 53	5997221 5999549 6001876	2328 2327 2326	4002779 4000451 3998124	6321260 6324020 6326780	8947378 8944776 8942174	1997917 1999662 2001407	1745 1745 1746	8002083 8000338 7998593	8
54 55 56	6004202 6006528	2326 2326	$\frac{3995798}{3993472}$	6329540 6332299	8939572 8936970	2003153 2004900	1747 1748	7996847 7995100	
57 58	6008854 6011179 6013503	2325 2324 2324	3991146 3988821 3986497	6335058 6337817 6340576	8934368 8931765 8929162	2006648 2008396 2010145	1748 1749 1750	7993352 7991604 7989855	1
59 60	6015827 6018150	2323	3984173 3981850	6343335 6346094	8926559 8923956	2011895 2013645	1750	7988105 7986355	1
′	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

	1								
1	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	'
0	6018150	2323	3981850	6346094	8923956	2013645	1751	7986355	60
1	6020473	2323	3979527	6348852	8921353	2015396	1751	7984604	59
2	6022795	2322	3977205	6351610	8918750	2017147	1751 1753	7982853	58
3	6025117	2322	3974883	6354368	8916146	2018900	1753	7981100	57
4	6027439	2321	3972561	6357126	8913542	2020653	1753	7979347	56
5	6029760	2320	3970240	6359884	8910938	2022406	1755	7977594	55
6	6032080	2320	3967920	6362642	8908334	2024161	1755	7975839	54
7	6034400	2319	3965600	6365400	8905729	2025916	1755	7974084	53
8	6036719	2319	3963281	6368158	8903124	2027671	1757	7972329	52
9	6039038	2318	3960962	6370915	8900519	2029428	1757	7970572	51
1	6041356	2318	3958644	6373672	8897914	2031185	1757	7968815	50
111	6043674	2317	3956326	6376429	8895309	2032942	1759	7967058	49
12	6045991	2317	3954009	6379186	8892704	2034701	1759	7965299	48
14	6048308 6050624	2316	3951692	6381943	8890098	2036460	1760	7963540	47
15	6052940	2316	3949376 3947060	6384700 6387456	8887492 8884886	2038220 2039980	1760	7961780 7960020	45
	i	2315					1761		
16 17	6055255	2315	3944745	6390212	8882280	2041741	1762	7958259	44
18	6057570 6059884	2314	3942430 3940116	6392969	8879674 8877068	2043503 2045265	1762	7956497	43
19	6062198	2314	3937802	6395726 6398482	8874461	2045265	1763	7954735 7952972	41
20	6064511	2313	3935489	6401238	8871854	2047028	1764	7951208	40
21	6066824	2313					1764		1
22	6069136	2312	3933176 3930864	6403993 6406748	8869246 8866638	2050556 2052322	1766	7949444	39
23	6071447	2311	3928553	6409504	8864031	2054087	1765	7947678 7945913	37
24	6073758	2311	3926242	6412260	8861424	2055854	1767	7944146	36
25	6076069	2311 2310	3923931	6415015	8858816	2057621	1767 1768	7942379	35
26	6078379		3921621	6417770	8856208	2059389		7940611	34
27	6080689	2310	3919311	6420525	8853600	2061157	1768	7938843	33
28	6082998	2309	3917002	6423280	8850992	2062926	1769	7937074	32
29	6085306	2308 2308	3914694	6426035	8848383	2064696	1770	7935304	31
30	6087614	2308	3912386	6428790	8845774	2066467	$\frac{1771}{1771}$	7933533	30
31	6089922	2307	3910078	6431544	8843165	2068238		7931762	29
32	6092229	2307	3907771	6434298	8840556	2070010	$\frac{1772}{1772}$	7929990	28
33	6094535	2306	3905465	6437052	8837946	2071782	1773	7928218	27
34	6096841	2306	3903159	6439806	8835336	2073555	1774	7926445	26
35	6099147	2305	3900853	6442560	8832727	2075329	1775	7924671	25
36	6101452	2304	3898548	6445314	8830118	2077104	1775	7922896	24
37	6103756	2304	3896244	6448068	8827507	2078879	1776	7921121	23
38	6106060	2303	3893940	6450822	8824896	2080655	1776	7919345	22
39 40	6108363 6110666	2303	3891637 3889334	6453575	8822286 8819676	2082431 2084208	1777	7917569	21
1		2303		6456328			1778	7915792	20
41	6112969	2301	3887031	6459081	8817065	2085986	1779	7914014	19
42	6115270	2302	3884730	6461834	8814454	2087765	1779	7912235	18
43	6117572 6119873	2301	3882428 3880127	6464587	8811842 8809230	2089544 2091324	1780	7910456 7908676	17
45	6122173	2300	3877827	6467340 6470092	8806619	2091324	1780	7908676	16 15
1	1	2300			-		1781		1
46	6124473 6126772	2299	3875527 3873228	6472844	8804008	2094885 2096667	1782	7905115	14
48	6129071	2299	3870929	6475596 6478348	8801396 8798784	2098450	1783	7903333 7901550	13
49	6131369	2298	3868631	6481100	8796171	2100233	1783	7899767	11
50	6133666	2297 2298	3866334	6483852	8793558	2102017	$1784 \\ 1785$	7897983	10
51	6135964		3864036	6486604	8790945	2103802		7896198	9
52	6138260	2296 2296	3861740	6489356	8788332	2105587	1785	7894413	8
53	6140556	2296 2296	3859444	6492107	8785719	2107373	1786 1786	7892627	7 6
54	6142852	2295	3857148	6494858	8783106	2109159	1787	7890841	
55	6145147	2295	3854853	6497609	8780493	2110946	1788	7889054	5
56	6147442	2294	3852558	6500360	8777880	2112734	1789	7887266	4
57 58	6149736	2293	3850264	6503111	8775266	2114523	1789	7885477	3
59	6152029 - 6154322	2293	3847971 3845678	6505862 6508613	8772652 8770037	2116312 2118102	1790	7883688	2
60	6156615	2293	3843385	6511364	8767422	2119892	1790	7881898 7880108	0
									"
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

Sine Diff. Covers. Chord Co-chord Vers. Diff. Cosine /	3	38 Deg.										
1 clissor 2932 8341003 6514114 8764908 2121684 1702 7878516 59 2 clistins 2011 8385802 661094 8756194 212476 1702 7876524 58 3 clistas 2020 3834201 6523204 8750970 2125208 1703 7874732 57 6 clistogo 2020 3831031 6525114 8754348 2128555 1705 7871145 55 6 clistogo 2020 3831031 6527864 8751732 2130650 1705 7871145 55 7 clistogo 617368 2283 3822776 653011 7817172 212441 1705 7867555 53 8 clistogo 2828 3822776 653011 874172 2124341 1708 7863603 51 11 clistogo 2826 3816916 6541600 8738662 2130633 1708747 872400 42 12 clistas 2286 381360 647107 873940	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,		
To Tripe	1 2 3 4	6158907 6161198 6163489 6165780	2291 2291 2291 2289	3841093 3838802 3836511 3834220	6514114 6516864 6519614 6522364	8764808 8762194 8759579 8756964	2121684 2123476 2125268 2127061	1792 1792 1793 1794	7878316 7876524 7874732 7872939	59 58 57 56 55		
11 6 1817/98 2386 3315916 6544588 8736056 2141481 1709 7858569 43 12 6 184084 2286 3315916 6544588 8736056 2141481 1709 785869 43 13 6 186370 2286 38133630 6547107 8733419 2143230 1800 7856770 46 15 6 190939 22854 3800061 6552604 8728185 2146831 1801 7854970 46 16 6 6193224 2283 3800776 6555552 8725568 2148682 1802 7854966 43 18 6197790 2283 3804210 6550848 872032 2152236 1803 7847764 42 20 6202355 22821 3797645 6566344 8715096 2155843 1805 7844167 40 21 6204636 22811 379504 6560044 8715096 2155843 1805 7844167 40 22 6206017 2281 379504 6560044 8715096 2155843 1805 784232 30 22 6206017 2281 379504 656009 877241 2161229 1806 784232 30 22 6206017 2291 3785046	7 8 9	6172648 6174936 6177224	2289 2288 2288 2287	3827352 3825064 3822776	6530613 6533362 6536111	8749117 8746502 8743885	2132445 2134241 2136037	1796 1796 1798	7867555 7865759 7863963	53 52 51		
17	12 13 14	6184084 6186370 6188655	2286 2286 2285 2284	3815916 3813630 3811345	6544358 6547107 6549856	8736036 8733419 8730802	2141431 2143230 2145030	1799 1800 1801	7858569 7856770 7854970 7853169	48 47 46		
22 6206917 2231 3798083 6571838 870880 2159453 1806 7846471 37 23 6200198 2230 3798092 6574585 8707241 2161259 1806 783741 37 24 6211478 2279 3788522 6577332 8704622 2163065 1806 7836935 36 25 6213757 2279 37880243 6580079 8702003 2164873 1807 7836127 32 26 6216036 2278 3781686 6585573 8609764 2168480 1809 7831511 33 28 6220592 2273 3771910 6591066 8691525 2172108 1810 7827892 31 30 6225146 2277 3774546 6593812 8688906 2173918 1812 7824792 32 31 6227423 2275 3770302 6599306 868255 2175730 1811 7824275 3782479 224	17 18 19	6195507 6197790 6200073	2283 2283 2283 2282	3804493 3802210 3799927	6558100 6560848 6563596	8722950 8720332 8717714	$\begin{array}{c} 2150434 \\ 2152236 \\ 2154039 \end{array}$	1802 1802 1803 1804	7849566 7847764 7845961	43 42 41 40		
26 6216036 2278 3783964 6582826 8699384 2166680 1809 7833320 34 27 6218314 2278 3781866 6585573 8696764 2168489 1809 7831511 33 28 6220592 2278 3771408 6588320 8694144 2170298 1809 7837511 33 30 6225146 2277 3774854 6593812 8683555 2172108 1810 7827822 31 31 6227423 2277 3774854 659366 8683655 2173318 1811 7824270 32 32 6229698 2276 3770302 659306 8683654 217541 1811 7824279 28 34 6234248 2274 3765026 6002051 8681044 217954 1811 7824259 28 36 6236622 2274 3765075 6604796 8678424 2181167 1814 781150 22 37 </td <td>22 23 24</td> <td>6206917 6209198 6211478</td> <td>2281 2280 2279</td> <td>3793083 3790802 3788522</td> <td>6571838 6574585 6577332</td> <td>8709860 8707241 8704622</td> <td>$\begin{array}{c} 2159453 \\ 2161259 \\ 2163065 \end{array}$</td> <td>1806 1806 1808</td> <td>7840547 7838741 7836935</td> <td>38 37 36</td>	22 23 24	6206917 6209198 6211478	2281 2280 2279	3793083 3790802 3788522	6571838 6574585 6577332	8709860 8707241 8704622	$\begin{array}{c} 2159453 \\ 2161259 \\ 2163065 \end{array}$	1806 1806 1808	7840547 7838741 7836935	38 37 36		
Section Sect	27 28 29	6218314 6220592 6222870	2278 2278 2278 2276	3781686 3779408 3777130	6585573 6588320 6591066	8696764 8694144 8691525	2168489 2170298 2172108	1809 1810 1810	7831511 7829702 7827892	33 32 31		
36 6238796 2273 3751204 6610288 8673182 2184795 1815 7815205 22 37 6241069 2273 3756831 6613033 8670561 2186610 1816 7813309 23 38 6243342 2272 3756658 6615778 8667940 218496 1816 7813309 23 40 6247885 2271 3754366 6618523 866318 2190243 1817 780757 22 41 6250156 2271 374571 6621268 866206 2192060 1817 7807940 20 42 6252427 2269 3747573 6626758 8657452 2197506 1819 7804304 18 43 6254066 2290 3745304 6623502 8654829 2197515 1820 7804285 17 44 6256966 22969 374034 6632960 280535 1820 7804285 17 44 6256935 <td>32 33 34</td> <td>6229698 6231974 6234248</td> <td>2276 2274 2274</td> <td>3770302 3768026 3765752</td> <td>6599306 6602051 6604796</td> <td>8683664 8681044 8678424</td> <td>2177541 2179354 2181167</td> <td>1813 1813 1814</td> <td>7822459 7820646 7818833</td> <td>28 27 26</td>	32 33 34	6229698 6231974 6234248	2276 2274 2274	3770302 3768026 3765752	6599306 6602051 6604796	8683664 8681044 8678424	2177541 2179354 2181167	1813 1813 1814	7822459 7820646 7818833	28 27 26		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37 38 39	6241069 6243342 6245614	2273 2272 2271	3758931 3756658 3754386	6613033 6615778 6618523	8670561 8667940 8665318	2186610 2188426 2190243	1816 1817 1817	7813390 7811574 7809757	23 22 21		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	42 43 44	6252427 6254696 6256966	2271 2269 2270 2269	3747573 3745304 3743034	6626758 6629502 6632246	8657452 8654829 8652206	2195696 2197515 2199335	1819 1820 1820	7804304 7802485 7800665	18 17 16		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	47 48 49	6263771 6266038 6268305	2268 2267 2267 2266	3736229 3733962 3731695	6640478 6643222 6645966	8644338 8641714 8639091	2204798 2206620 2208443	1822 1823 1824	7795202 7793380 7791557	13 12 11		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	52 53 54	6275102 6277366 6279631	2265 2264 2265 2263	3724898 3722634 3720369 3718106	6654196 6656939 6659682	8631220 8628596 8625972	$\begin{array}{c} 2213916 \\ 2215742 \\ 2217569 \end{array}$	1825 1826 1827 1827	7786084 7784258 7782431 7780604	8 7 6 5		
' Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine '	57 58 59	6286420 6288682 6290943	$\frac{2262}{2261}$	3713580 3711318 3709057	6667910 6670652 6673395	8618097 8615472 8612847	2223051 2224880 2226710	1829 1830	7776949 7775120 7773290	3 2 1		
	1	Cosine	Diff.	Vers.	Co-ehord	Chord	Covers.	Diff.	Sine	'		

	39 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2 3 4 5	6293204 6295464 6297724 6299983 6302242 6304500	2260 2260 2259 2259 2258 2258	3706796 3704536 3702276 3700017 3697758 3695500	6676138 6678879 6681620 6684362 6687104 6689845	8610222 8607596 8604970 8602344 8599718 8597092	2228540 2230371 2232203 2234035 2235868 2237702	1831 1832 1832 1833 1834 1834	7771460 7769629 7767797 7765965 7764132 7762298	59 58 57 56 55
6 7 8 9	6306758 6309015 6311272 6313528 6315784	2257 2257 2256 2256	3693242 3690985 3688728 3686472 3684216	6692586 6695327 6698068 6700809 6703550	8594466 8591839 8589212 8586585 8583958	2239536 2241371 2243206 2245043 2246879	1835 1835 1837 1836	7760464 7758629 7756794 7754957 7753121	54 53 52 51 50
11 12 13 14 15	6318039 6320293 6322547 6324800 6327053	2255 2254 2254 2253 2253 2253 2253	3681961 3679707 3677453 3675200 3672947	6706291 6709032 6711772 6714512 6717252	8581330 8578702 8576074 8573446 8570818	2248717 2250555 2252394 2254233 2256074	1838 1838 1839 1839 1841 1840	7751283 7749445 7747606 7745767 7743926	49 48 47 46 45
16 17 18 19 20	6329306 6331557 6333809 6336059 6338310	2251 2252 2250 2251 2249	3670694 3668443 3666191 3663941 3661690	6719992 6722731 6725470 6728210 6730950	8568190 8565562 8562934 8560305 8557676	2257914 2259756 2261598 2263441 2265284	1842 1842 1843 1843 1844	7742086 7740244 7738402 7736559 7734716	44 43 42 41 40
21 22 23 24 25 26	6340559 6342808 6345057 6347305 6349553 6351800	2249 2249 2248 2248 2247	3659441 3657192 3654943 3652695 3650447	6733689 6736428 6739167 6741906 6744644	8555046 8552416 8549787 8547158 8544528	2267128 2268973 2270818 2272664 2274511	1845 1845 1846 1847 1847	7732872 7731027 7729182 7727336 7725489 7723642	39 38 37 36 35
27 28 29 30 31	6354046 6356292 6358537 6360782 6363026	2246 2246 2245 2245 2244	3648200 3645954 3643708 3641463 3639218 3636974	6747382 6750120 6752858 6755596 6758334	8541898 8539267 8536636 8534005 8531374	2276358 2278206 2280055 2281904 2283754	1848 1849 1849 1850 1851	7721794 7719945 7718096 7716246	33 32 31 30
32 33 34 35	6365270 6367513 6369756 6371998	2244 2243 2243 2242 2242	3634730 3632487 3630244 3628002	6761072 6763810 6766547 6769284 6772021	8528743 8526112 8523481 8520850 8518218	2285605 2287456 2289308 2291160 2293014	1851 1852 1852 1854 1854	7714395 7712544 7710692 7708840 7706986	29 28 27 26 25
36 37 38 39 40	6374240 6376481 6378721 6380961 6383201	2241 2240 2240 2240 2239	3625760 3623519 3621279 3619039 3616799	6774758 6777495 6780232 6782968 6785704	8515586 8512954 8510322 8507689 8505056	2294868 2296722 2298577 2300433 2302290	1854 1855 1856 1857 1857	7705132 7703278 7701423 7699567 7697710	24 23 22 21 20
41 42 43 44 45	6385440 6387678 6389916 6392153 6394390	2238 2238 2237 2237 2236	3614560 3612322 3610084 3607847 3605610	6788441 6791178 6793914 6796650 6799385	8502423 8499790 8497157 8494524 8491890	2304147 2306004 2307863 2309722 2311582	1857 1859 1859 1860 1860	7695853 7693996 7692137 7690278 7688418	19 18 17 16 15
46 47 48 49 50	6396626 6398862 6401097 6403332 6405566	2236 2235 2235 2234 2233	3603374 3601138 3598903 3596668 3594434	6802120 6804856 6807592 6810327 6813062	8489256 8486622 8483988 8481354 8478720	2313442 2315303 2317165 2319027 2320890	1861 1862 1862 1863 1864	7686558 7684697 7682835 7680973 7679110	14 13 12 11 10
51 52 53 54 55	6407799 6410032 6412264 6414496 6416728	2233 2232 2232 2232 2230	3592201 3589968 3587736 3585504 3583272	6815796 6818530 6821265 6824000 6826734	8476085 8473450 8470815 8468180 8465545	2322754 2324618 2326483 2328348 2330215	1864 1865 1865 1867 1867	7677246 7675382 7673517 7671652 7669785	9 8 7 6 5
56 57 58 59 60	6418958 6421189 6423418 6425647 6427876	2231 2229 2229 2229	3581042 3578811 3576582 3574353 3572124	6829468 6832202 6834936 6837669 6840402	8462910 8460274 8457638 8455002 8452366	2332082 2333949 2335817 2337686 2339556	1867 1868 1869 1870	7667918 7666051 7664183 7662314 7660444	4 3 2 1 0
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'

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,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3	6427876 6430104 6432332 6434559	2228 2228 2227	3572124 3569896 3567668 3565441	6840402 6843136 6845870 6848603	8452366 8449729 8447092 8444455	2339556 2341426 2343296 2345168	1870 1870 1872	7660444 7658574 7656704 7654832	60 59 58 57
5	$\frac{6436785}{6439011}$	2226 2226 2225	3563215 3560989	6851336 6854068	8441818 8439181	2347040 2348913	1872 1873 1873	7652960 7651087	56 55
6 7 8	6441236 6443461 6445685	2225 2224 2224	3558764 3556539 3554315	6856800 6859533 6862266	8436544 8433906 8431268	2350786 2352660 2354535	1874 1875 1875	7649214 7647340 7645465	54 53 52
9 10 11	6447909 6450132 6452355	2223 2223	3552091 3549868 3547645	6864998 6867730 6870462	8428630 8425992 8423354	2356410 2358286 2360162	1876 1876	7643590 7641714	51 50 49
12 13	6454577 6456798	2222 2221 2221	3545423 3543202	6873194 6875926	8420716 8418077	2362040 2363918	1878 1878 1878	7639838 7637960 7636082	48 47
14 15 16	6459019 6461240 6463460	$\frac{2221}{2220}$	3540981 3538760 3536540	6878658 6881389 6884120	8415438 8412799 8410160	2365796 2367675 2369555	1879 1880	7634204 7632325 7630445	46 45 44
17 18	6465679 6467898 6470116	2219 2219 2218	3534321 3532102	6886851 6889582	8407521 8404882	2371436 2373317	1881 1881 1881	7628564 7626683	43
19 20 21	6472334 6474551	$\frac{2218}{2217}$	3529884 3527666 3525449	6892312 6895042 6897773	8402242 8399602 8396962	2375198 2377081 2378964	$1883 \\ 1883$	7624802 7622919 7621036	41 40 39
22 23	6476767 6478984	2216 2217 2215	3523233 3521016	6900504 6903234	8394322 8391682	$\frac{2380848}{2382732}$	1884 1884 1885	7619152 7617268	38
24 25 26	6481199 6483414 6485628	$\frac{2215}{2214}$	3518801 3516586 3514372	6905964 6908694 6911424	8389042 8386401 8383760	2384617 2386503 2388389	1886 1886	7615383 7613497 7611611	36 35 34
27 28	6487842 6490056 6492268	2214 2214 2212	3512158 3509944	6914153 6916882	8381119 8378478	2390276 2392163	1887 1887 1888	7609724 7607837	33 32 31
29 30 31	6494480 6496692	2212 2212	3507732 3505520 3503308	6919612 6922342 6925071	8375836 8373194 8370553	2394051 2395940 2397830	1889 1890	7605949 7604060 7602170	30 29
32 33 34	6498903 6501114 6503324	2211 2211 2210	3501097 3498886 3496676	6927800 6930528 6933256	8367912 8365269 8362626	2399720 2401611 2403502	1890 1891 1891	7600280 7598389 7596498	28 27 26
35 36	6505533 6507742	2209 2209	3494467 3492258	6935985	8359984 8357342	2405394 2407287	1892 1893	7594606 7592713	25 24
37 38 39	6509951 6512158 6514366	2209 2207 2208	$3490049 \\ 3487842$	6941442 6944170 6946897	8354699 8352056 8349413	2409180 2411074	1893 1894 1895	7590820 7588926 7587031	23 22 21
40	6516572 6518778	2206 2206	3485634 3483428 3481222	6949624 6952352	8346770 8344126	2412969 2414864 2416760	1895 1896	7585136 7583240	20 19
42 43 44	6520984 6523189 6525394	2206 2205 2205	3479016 3476811 3474606	6955080 6957807 6960534	8341482 8338838 8336194	2418657 2420554 2422452	1897 1897 1898	7581343 7579446 7577548	18 17 16
45	6527598 6529801	2204 2203	3472402 3470199	6963261 6965988	8333550 8330906	2424350 2426249	1898 1899	7575650 7573751	15 14
47 48 49	6532004 6534206 6536408	$2203 \\ 2202 \\ 2202$	3467996 3465794 3463592	6968714 6971440 6974167	8328261 8325616 8322971	2428149 2430049 2431950	1900 1900 1901	7571851 7569951 7568050	13 12 11
50	6538609 6540810	2201 2201	3461391 3459190	6976894 6979620	8320326 8317680	2433852 2435754	1902 1902	7566148 7564246	10
52 53 54	6543010 6545209 6547408	2200 2199 2199	3456990 3454791 3452592	6982346 6985071 6987796	8315034 8312389 8309744	2437657 2439561 2441465	1903 1904 1904	7562343 7560439 7558535	8 7 6
55 56	6547403 6549607 6551804	2199 2197	3450393 3448196	6990522 6993248	8307098 8304452	2441405 2443370 2445276	1905 1906	7556630 7554724	5
57 58 59	6554002 6556198 6558395	2198 2196 2197	3445998 3443802 3441605	6995973 6998698 7001423	8301805 8299158 8296511	2447182 2449089 2450996	1906 1907 1907	7552818 7550911 7549004	3 2 1
60	6560590	2195	3439410	7004148	8293864	2452904	1908	7547096	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
-									

	4	i Deg.								
			.46							1
	′	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	′
1	0	6560590	2195	3439410	7004148	8293864	2452904	1909	7547096	60
	1	6562785	2195	3437215	7006872	8291217	2454813	1909	7545187	59
1	2 3	6564980 6567174	2194	3435020 3432826	700959 6 7012321	8288570 8285923	$\begin{array}{c} 2456722 \\ 2458632 \end{array}$	1910	7543278 7541368	58
-	4	6569367	2193	3430633	7015046	8283276	2460543	1911	7539457	56
	5	6571560	$\frac{2193}{2192}$	3428440	7017769	8280628	2462454	$1911 \\ 1912$	7537546	55
	6	6573752	2192	3426248	7020492	8277980	2464366	1913	7535634	54
ı	7	6575944	2191	3424056	7023216	8275332	2466279	1913	7533721	53 52
1	8	6578135 6580326	2191	3421865 3419674	7025940 7028663	8272684 8270035	2468192 2470106	1914	7531808 7529894	51
ı	10	6582516	$\frac{2190}{2190}$	3417484	7028005	8267386	2472020	$\frac{1914}{1915}$	7527980	50
	11	6584706	2189	3415294	7034109	8264737	2473935	1916	7526065	49
- 1	12	6586895	2188	3413105	7036832	8262088	2475851	1916	7524149	48
	13	6589083	2188	3410917	7039555	8259439	2477767	1917	7522233	47 46
	14 15	6591271 6593458	2187	$3408729 \\ 3406542$	7042278 7045001	8256790 8254140	$2479684 \\ 2481602$	1918	7520316 7518398	45
	16		2187			8251490		1918	7516480	44
	17	6595645 6597831	2186	3404355 3402169	7047724 7050446	8248841	2483520 2485439	1919	7514561	43
	18	6600017	2186	3399983	7053168	8246192	2487359	$\frac{1920}{1920}$	7512641	42
	19	6602202	$2185 \\ 2184$	3397798	7055890	8243541	2489279	1921	7510721	41
	20	6604386	2184	3395614	7058612	8240890	2491200	1921	7508800	40
-	21	6606570	2184	3393430	7061333	8238240	2493121	1922	7506879	39
	22	6608754	2182	3391246	7064054	8235590	2495043	1923	7504957 7503034	38
	23 24	6610936 6613119	2183	3389064 3386881	7066775 7069496	8232939 8230288	2496966 2498889	1923	7503034	36
	25	6615300	$\frac{2181}{2182}$	3384700	7072217	8227636	2500813	$1924 \\ 1925$	7499187	35
	26	6617482	2180	3382518	7074938	8224984	2502738	1925	7497262	34
-	27	6619662	2180	3380338	7077659	8222333	2504663	1926	7495337	33
	28	6621842	2180	3378158	708038 0	8219682	2506589	1927	7493411	32 31
	29 30	6624022 6626200	2178	3375978 3373800	7083100 7085820	8217030 8214378	2508516 2510443	1927	7491484 7489557	30
	31	6628379	2179	3371621	7088540	8211725	2512371	1928	7487629	29
	32	6630557	2178	3369443	7091260	8209072	2514299	1928 1929	7485701	28
	33	6632734	$\frac{2177}{2176}$	3367266	7093980	8206419	2516228	1930	7483772	27
	34	6634910	2177	3365090	7096700	8203766	2518158	1930	7481842	26
	35	6637087	2175	3362913	7099420	8201113	2520088	1931	7479912	25
	36	6639262	2175	3360738	7102140	8198460	2522019	1932	7477981	24 23
	37 38	6641437 6643612	2175	3358563 3356388	7104859 7107578	8195807 8193154	2523951 2525883	1932	7476049 7474117	22
	39	6645785	2173	3354215	7110297	8190500	2527816	1933	7472184	21
	40	6647959	$\frac{2174}{2172}$	3352041	7113016	8187846	2529749	1933 1934	7470251	20
i	41	6650131	2173	3349869	7115734	8185192	2531683	1935	7468317	19
	42	6652304	2171	3347696	7118452	8182538	2533618	1936	7466382	18
	43	6654475 6656646	2171	3345525 3343354	7121170 7123888	8179884 8177230	2535554 2537490	1936	7464446 7462510	17 16
	45	6658817	2171	3341183	7126606	8174575	2539426	$\frac{1936}{1938}$	7460574	15
	46	6660987	2170	3339013	7129324	8171920	2541364		7458636	14
	47	6663156	$\frac{2169}{2169}$	3336844	7132042	8169265	2543301	$1937 \\ 1939$	7456699	13
	48	6665325	2168	3334675	7134760	8166610	2545240	1939	7454760	12
	49 50	6667493 6669661	2168	3332507 3330339	7137477 7140194	8163954 8161298	2547179 2549119	1940	7452821 7450881	11
	51	6671828	2167	3328172	7142911	8158642	2551059	1940	7448941	9
	52	6673994	2166	3326006	7145628	8155986	2553001	$1942 \\ 1941$	7446999	8
	53	6676160	2166 2166	3323840	7148345	8153330	2554942	1941	7445058	7
	54	6678326	2164	3321674	7151062	8150674	2556885	1942	7443115	6
	55	6680490	2165	3319510	7153779	8148018	2558827	1944	7441173	5
	56 57	6682655 6684818	2163	3317345 3315182	7156496 7159212	8145362	$\begin{array}{c} 2560771 \\ 2562715 \end{array}$	1944	7439229 7437285	3
	58	6686981	2163	3313019	7161928	8142705 8140048	2564660	1945	7435340	2
	59	6689144	2163 2162	3310856	7164643	8137390	2566606	$1946 \\ 1946$	7433394	1
	60	6691306	2102	8308694	7167358	8134732	2568552	1940	7431448	0
	,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

•	42 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	6691306	2162	3308694	7167358	8134732	2568552	1946	7431448	60
1	6693468	2160	3306532	7170074	8132075	2570498	1948	7429502	59
2	6695628	2161	3304372	7172790	8129418	2572446	1948	7427554	58
3	6697789	2159	3302211	7175505	8126760	2574394	1948	7425606	57
4	6699948	2160	3300052	7178220	8124102	2576342	1950	7423658	56
5	6702108	2158	3297892	7180935	8121444	2578292	1950	7421708	55
6	6704266	2158	3295734	7183650	8118786	2580242	1950	7419758	54
7	6706424	2158	3293576	7186365	8116127	2582192	1951	7417808	53
8	6708582	2157	3291418	7189080	8113468	2584143	1952	7415857	52
9	6710739	2156	3289261	7191794	8110809	2586095	1952	7413905	51
10	6712895	2156	3287105	7194508	8108150	2588047	1953	7411953	50
11	6715051	2155	3284949	7197222	8105491	2590000	1954	7410000	49
12	6717206	2155	3282794	7199936	8102832	2591954	1954	7408046	48
13	6719361	2154	3280639	7202650	8100172	2593908	1955	7406092	47
14	6721515	2153	3278485	7205364	8097512	2595863	1956	7404137	46
15	6723668	2153	3276332	7208077	8094852	2597819	1956	7402181	45
16	6725821	2152	3274179	$7210790 \\ 7213503 \\ 7216216 \\ 7218929 \\ 7221642$	8092192	2599775	1957	7400225	44
17	6727973	2152	3272027		8089532	2601732	1957	7398268	43
18	6730125	2151	3269875		8086872	2603689	1958	7396311	42
19	6732276	2151	3267724		8084211	2605647	1959	7394353	41
20	6734427	2150	3265573		8081550	2607606	1959	7392394	40
21	6736577	2150	3263423	7224355	8078889	$\begin{array}{c} 2609565 \\ 2611525 \\ 2613485 \\ 2615447 \\ 2617408 \end{array}$	1960	7390435	39
22	6738727	2149	3261273	7227068	8076228		1960	7388475	38
23	6740876	2148	3259124	7229780	8073567		1962	7386515	37
24	6743024	2148	3256976	7232492	8070906		1961	7384553	36
25	6745172	2147	3254828	7235204	8068244		1963	7382592	35
26	6747319	2147	3252681	7237916	8065582	2619371	1963	7380629	34
27	6749466	2146	3250534	7240627	8062920	2621334	1963	7378666	33
28	6751612	2145	3248388	7243338	8060258	2623297	1965	7376703	32
29	6753757	2145	3246243	7246049	8057596	2625262	1965	7374738	31
30	6755902	2144	3244098	7248760	8054934	2627227	1965	7372773	30
31	6758046	2144	3241954	7251471	8052271	2629192	1966	7370808	29
32	6760190	2143	3239810	7254182	8049608	2631158	1967	7368842	28
33	6762333	2143	3237667	7256893	8046945	2633125	1967	7366875	27
34	6764476	2142	3235524	7259604	8044282	2635092	1968	7364908	26
35	6766618	2142	3233382	7262314	8041619	2637060	1969	7362940	25
36	6768760	2141	3231240	7265024	8038956	2639029	1969	7360971	24
37	6770901	2140	3229099	7267734	8036292	2640998	1970	7359002	23
38	6773041	2140	3226959	7270444	8033628	2642968	1971	7357032	22
39	6775181	2139	3224819	7273154	8030964	2644939	1971	7355061	21
40	6777320	2139	3222680	7275864	8028300	2646910	1972	7353090	20
41	6779459	2138	3220541	7278573	8025636	2648882	1972	7351118	19
42	6781597	2137	3218403	7281282	8022972	2650854	1973	7349146	18
43	6783734	2137	3216266	7283992	8020307	2652827	1974	7347173	17
44	6785871	2136	3214129	7286702	8017642	2654801	1974	7345199	16
45	6788007	2136	3211993	7289410	8014977	2656775	1975	7343225	15
46	6790143	2135	3209857	7292118	8012312	2658750	1975	7341250	14
47	6792278	2135	3207722	7294827	8009646	2660725	1976	7339275	13
48	6794413	2134	3205587	7297536	8006980	2662701	1977	7337299	12
49	6796547	2134	3203453	7300244	8004315	2664678	1977	7335322	11
50	6798681	2132	3201319	7302952	8001650	2666655	1978	7333345	10
51	6800813	2133	3199187	7305660	7998983	2668633	1979	7331367	9
52	6802946	2132	3197054	7308368	7996316	2670612	1979	7329388	8
53	6805078	2131	3194922	7311075	7993650	2672591	1980	7327409	7
54	6807209	2130	3192791	7313782	7990984	2674571	1980	7325429	6
55	6809339	2130	3190661	7316490	7988317	2676551	1982	7323449	5
56 57 58 59 60	6811469 6813599 6815728 6817856 6819984	2130 2129 2128 2128	3188531 3186401 3184272 3182144 3180016	$7319198 \\ 7321905 \\ 7324612 \\ 7327318 \\ 7330024$	7985650 7982983 7980316 7977649 7974982	2678533 2680514 2682497 2684479 2686463	1981 1983 1982 1984	7321467 7319486 7317503 7315521 7313537	4 3 2 1 0
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'
J	1				1				1

	43 Deg.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0 1 2 3 4	6819984 6822111 6824237 6826363 6828489	2127 2126 2126 2126	3180016 3177889 3175763 3173637 3171511	7330024 7332731 7335438 7338144 7340850	7974982 7972314 7969646 7966978 7964310	2686463 2688447 2690432 2692417 2694403	1984 1985 1985 1986	7313537 7311553 7309568 7307583 7305597	60 59 58 57 56
5	6830613	$2124 \\ 2125$	3169387	7343555	7961641	2696390	1987 1987	7303610	55
6 7 8 9 10	6832738 6834861 6836984 6839107 6841229	2123 2123 2123 2122 2121	3167262 3165139 3163016 3160893 3158771	7346260 7348966 7351672 7354377 7357082	7958972 7956304 7953636 7950966 7948296	2698377 2700365 2702354 2704343 2706332	1988 1989 1989 1989 1991	7301623 7299635 7297646 7295657 7293668	54 53 52 51 50
11 12 13 14 15	6843350 6845471 6847591 6849711 6851830	2121 2120 2120 2119 2118	3156650 3154529 3152409 3150289 3148170	7359787 7362492 7365196 7367900 7370604	7945627 7942958 7940288 7937618 7934948	2708323 2710314 2712305 2714297 2716290	1991 1991 1992 1993 1994	7291677 7289686 7287695 7285703 7283710	49 48 47 46 45
16 17 18 19 20	6853948 6856066 6858184 6860300 6862416	2118 2118 2116 2116 2116	3146052 3143934 3141816 3139700 3137584	7373308 7376012 7378716 7381419 7384122	7932278 7929607 7926936 7924266 7921596	2718284 2720278 2722272 2724268 2726264	1994 1994 1996 1996 1996	7281716 7279722 7277728 7275732 7273736	44 43 42 41 40
21 22 23 24 25	6864532 6866647 6868761 6870875 6872988	2115 2114 2114 2113 2113	3135468 3133353 3131239 3129125 3127012	7386826 7389530 7392233 7394936 7397638	7918925 7916254 7913582 7910910 7908238	2728260 2730257 2732255 2734253 2736252	1997 1998 1998 1999 2000	7271740 7269743 7267745 7265747 7263748	39 38 37 36 35
26 27 28 29 30	6875101 6877213 6879325 6881435 6883546	2112 2112 2110 2111 2109	3124899 3122787 3120675 3118565 3116454	7400340 7403042 7405744 7408446 7411148	7905566 7902894 7900222 7897550 7894878	2738252 2740252 2742253 2744254 2746256	2000 2001 2001 2002 2003	7261748 7259748 7257747 7255746 7253744	34 33 32 31 30
31 32 33 34 35	6885655 6887765 6889873 6891981 6894089	2110 2108 2108 2108 2108 2106	3114345 3112235 3110127 3108019 3105911	7413850 7416552 7419253 7421954 7424655	7892205 7889532 7886859 7884186 7881512	2748259 2750262 2752266 2754271 2756276	2003 2004 2005 2005 2005	7251741 7249738 7247734 7245729 7243724	29 28 27 26 25
36 37 38 39 40	6896195 6898302 6900407 6902512 6904617	2107 2105 2105 2105 2104	3103805 3101698 3099593 3097488 3095383	7427356 7430057 7432758 7435458 7438158	7878838 7876164 7873490 7870816 7868142	2758281 2760288 2762295 2764302 2766310	2007 2007 2007 2008 2009	7241719 7239712 7237705 7235698 7233690	24 23 22 21 20
41 42 43 44 45	6906721 6908824 6910927 6913029 6915131	2103 2103 2102 2102 2102 2101	3093279 3091176 3089073 3086971 3084869	7440859 7443560 7446259 7448958 7451658	7865468 7862794 7860119 7857444 7854769	2768319 2770329 2772339 2774349 2776360	2010 2010 2010 2011 2011	7231681 7229671 7227661 7225651 7223640	19 18 17 16 15
46 47 48 49 50	6917232 6919332 6921432 6923531 6925630	2100 2100 2099 2099 2098	3082768 3080668 3078568 3076469 3074370	7454358 7457057 7459756 7462455 7465154	7852094 7849418 7846742 7844066 7841390	2778372 2780385 2782398 2784411 2786426	2013 2013 2013 2013 2015 2015	7221628 7219615 7217602 7215589 7213574	14 13 12 11 10
51 52 53 54 55	6927728 6929825 6931922 6934018 6936114	2097 2097 2096 2096 2095	3072272 3070175 3068078 3065982 3063886	7467852 7470550 7473248 7475946 7478644	7838714 7836038 7833362 7830686 7828009	2788441 2790456 2792472 2794489 2796506	2015 2016 2017 2017 2018	7211559 7209544 7207528 7205511 7203494	9 8 7 6 5
56 57 58 59 60	6938209 6940304 6942398 6944491 6946584	2095 2094 2093 2093	3061791 3059696 3057602 3055509 3053416	7481342 7484040 7486738 7489435 7492132	7825332 7822655 7819978 7817300 7814622	2798524 2800543 2802562 2804582 2806602	2019 2019 2020 2020	7201476 7199457 7197438 7195418 7193398	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

,	Sine	Diff,	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	6946584	2092	3053416	7492132	7814622	2806602	2021	7193398	60
1	6948676	2091	3051324	7494829	7811944	2808623	2022	7191377	59
2	6950767	2091	3049233	7497526	7809266	2810645	2022	7189355	58
3	6952858	2091	3047142	7500222	7806588	2812667	2023	7187333	57
4	6954949	2090	3045051	7502918	7803910	2814690	2023	7185310	56
5	6957039	2089	3042961	7505615	7801232	2816713	2024	7183287	55
6	6959128	2089	3040872	7508312	7798554	2818737	2025	7181263	54
7	6961217	2088	3038783	7511008	7795875	2820762	2025	7179238	53
8	6963305	2087	3036695	7513704	7793196	2822787	2026	7177213	52
9	6965392	2087	3034608	7516399	7790517	2824813	2026	7175187	51
10	6967479	2086	3032521	7519094	7787838	2826839	2027	7173161	50
11	6969565	2086	3030435	7521790	7785159	2828866	2028	7171134	49
12	6971651	2085	3028349	7524486	7782480	2830894	2028	7169106	48
13	6973736	2085	3026264	7527181	7779800	2832922	2029	7167078	47
14	6975821	2084	3024179	7529876	7777120	2834951	2030	7165049	46
15	6977905	2083	3022095	7532570	7774440	2836981	2030	7163019	45
16	6979988	2083	3020012	7535264	7771760	2839011	2030	7160989	44
17	6982071	2082	3017929	7537959	7769079	2841041	2032	7158959	43
18	6984153	2081	3015847	7540654	7766398	2843073	2032	7156927	42
19	6986234	2081	3013766	7543348	7763717	2845105	2032	7154895	41
20	6988315	2081	3011685	7546042	7761036	2847137	2033	7152863	40
21	6990396	2080	3009604	7548735	7758355	2849170	2034	7150830	39
22	6992476	2079	3007524	7551428	7755674	2851204	2034	7148796	38
23	6994555	2078	3005445	7554122	7752993	2853238	2035	7146762	37
24	6996633	2078	3003367	7556816	7750312	2855273	2036	7144727	36
25	6998711	2078	3001289	7559509	7747630	2857309	2036	7142691	35
26	7000789	2077	2999211	7562202	7744948	2859345	2037	7140655	34
27	7002866	2076	2997134	7564895	7742266	2861382	2037	7138618	33
28	7004942	2076	2995058	7567588	7739584	2863419	2038	7136581	32
29	7007018	2075	2992982	7570280	7736902	2865457	2039	7134543	31
30	7009093	2074	2990907	7572972	7734220	2867496	2039	7132504	30
31	7011167	2074	2988833	7575664	7731537	2869535	2039	7130465	29
32	7013241	2073	2986759	7578356	772835	2871574	2041	7128429	28
33	7015314	2073	2984686	7581048	7726171	2872515	2041	7126385	27
34	7017387	2072	2982613	7583740	7723488	2875656	2041	7124344	26
35	7019459	2072	2980541	7586432	7720804	2877697	2043	7122303	25
36	7021531	2070	2978469	7589124	7718120	2879740	2042	7120260	24
37	7023601	2071	2976399	7591815	7715437	2881782	2044	7118218	23
38	7025672	2069	2974328	7594506	7712754	2883826	2044	7116174	22
39	7027741	2070	2972259	7597197	7710070	2885870	2044	7114130	21
40	7029811	2068	2970189	7599888	7707386	2887914	2045	7112086	20
41	7031879	2068	2968121	7602578	7704701	2889959	2046	7110041	19
42	7033947	2067	2966053	7605268	7702016	2892005	2047	7107995	18
43	7036014	2067	2963986	7607958	7699332	2894052	2047	7105948	17
44	7038081	2066	2961919	7610648	7696648	2896099	2047	7103901	16
45	7040147	2066	2959853	7613338	7693963	2898146	2048	7101854	15
46	7042213	2065	2957787	7616028	7691278	2900194	2049	7099806	14
47	7044278	2064	2955722	7618718	7688592	2902243	2050	7097757	13
48	7046342	2064	2953658	7621408	7685906	2904293	2050	7095707	12
49	7048406	2063	2951594	7624097	7683221	2906343	2050	7093657	11
50	7050469	2063	2949531	7626786	7680536	2908393	2051	7091607	10
51	7052532	2062	2947468	7629475	7677850	2910444	2052	7089556	9
52	7054594	2061	2945406	7632164	7675164	2912496	2053	7087504	8
53	7056655	2061	2943345	7634852	7672477	2914549	2053	7085451	7
54	7058716	2060	2941284	7637540	7669790	2916602	2053	7083398	6
55	7060776	2059	2939224	7640229	7667104	2918655	2054	7081345	5
56 57 58 59 60	7062835 7064894 7066953 7069011 7071068	2059 2059 2058 2057	2937165 2935106 2933047 2930989 2928932	7642918 7645606 7648294 7650981 7653668	7664418 7661731 7659044 7656356 7653668	2920709 2922764 2924820 2926876 2928932	2055 2056 2056 2056	7079291 7077236 7075180 7073124 7071068	4 3 2 1 0
Ĺ	- Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	′
			BT A DOZZ						

,	0°	1°	2 °	3°	4°	5 °	6°	,
0	0.0000000	0.0174551	0.0349208	0.0524078	0.0699268	0.0874887	0.1051042	60
1	.0002909	.0177460	.0352120	·0526995	0702191	.0877818	1053983	59
2	0005818	0180370	0355033	.0529912	0705115	0880749	*1056925 *1059866	58 57
3 4	*0008727 *0011636	·0183280 ·0186190	·0357945 ·0360858	·0532829 ·0535746	.0708038 .0710967	*0883681 *0886612	1062808	56
5	0011030	.0189100	0363771	·0538663	0713885	0889544	1065750	55
6	0017453	·0192010	.0366683	.0541581	.0716809	.0892476	1068692	54
7	0020362	0194920	0369596	0544498	0719733	0895408	1071634	53
8	.0023271	.0197830	.0372509	0547416	.0722657	.0898341	·1074576	52
9	.0026180	.0200740	.0375422	.0550333	.0725581	0901273	1077519	51
10	0.0029089	0.0203650	0.0378335	0.0553251	0.0728505	0.0904206	0.1080462	50
11	.0031998	.0206560	.0381248	.0556169	0731430	.0907138	·1083405	49
12	*0034907	.0209470	0384161	·0559087	.0734354	0910071	·1086348 ·1089291	48
13 14	*0037816 *0040725	·0212380 ·0215291	·0387074 ·0389988	*0562005 *0564923	·0737279 ·0740203	*0913004 *0915938	1089291	47
15	0043634	0218201	·0392901	0567841	0743128	0918871	1095178	45
16	*0046542	.0221111	.0395814	.0570759	.0746053	0921804	1098122	44
17	0040342	0221111	0398728	0573678	0748979	0924738	·1101066	43
18	*0052360	.0226932	0401641	0576596	.0751904	.0927672	·1104010	42
19	*0055269	.0229842	.0404555	0579515	0754829	.0930606	1106955	41
20	0.0058178	0.0232753	0.0407469	0.0582434	0.0757755	0.0933540	0.1109899	40
21	*0061087	.0235663	·0410383	0585352	.0760680	0936474	·1112844	39
22	.0063996	.0238574	.0413296	0588271	0763606	.0939409	1115789	38
23	*0066905	.0241484	0416210	.0591190	*0766532 *0769458	*0942344	1118734	37 36
24 25	*0069814 *0072723	*0244395 *0247305	·0419124 ·0422038	·0594109 ·0597029	0709458	·0945278 ·0948213	*1121680 *1124625	35
26	0075632	0250216	·0424952	*0599948	0775311	.0951148		
20 27	0078541	0250210	0424932	*0602867	0778237	0951148	·1127571 ·1130517	34
28	*0081450	0256038	·0430781	.0605787	0781164	0957019	1133463	32
29	.0084360	.0258948	.0433695	.0608706	.0784090	.0959955	·1136410	31
30	0.0087269	0.0261859	0.0436609	0.0611626	0.0787017	0.0962890	0.1139356	30
31	.0090178	.0264770	·0439524	·0614546	.0789944	0965826	·1142303	29
32	0093087	0257681	10/42438	•0617466	.0792871	.0968763	·1145250	28
33	-0095996	- 0270592	*0445353	·0620386	0795798	0971699	1148197	27
34	*0098905 *0101814	·0273503 ·0276414	*0448268 *0451183	*0623306 *0626226	*0798726 *0801653	*0974635 *0977572	*1151144 *1154092	26 25
36	0104724	0279325	.0454097					1.
37	0107633	10282236	0454097	·0629147 ·0632067	*0804581 *0807509	*0980509 *0983446	*1157039 *1159987	24 23
38	.0110542	0285148	0459927	*0634988	.0810437	*0986383	1162936	22
39	.0113451	.0288059	.0462842	.0637908	*0813365	.0989320	1165884	21
40	0.0116361	0.0290970	0.0465757	0.0640829	0.0816293	0.0992257	0.1168832	20
41	·0119270	.0293882	·0468673	.0643750	·0819221	.0995194	1171781	19
42	0122179	.0296793	.0471588	.0646671	.0822150	.0998133	·1174730	18
43	·0125088 ·0127998	0299705	.0474503	·0649592	*0825078	1001071	1177679	17
44	0127998	*0302616 *0305528	·0477419 ·0480334	*0652513 *0655435	·0828007 ·0830936	1004009 1006947	·1180628 ·1183578	16 15
1	1							
46	·0133817 ·0136726	·0308439 ·0311351	*0483250 *0486166	·0658356 ·0661278	·0833865 ·0836794	*1009886 *1012824	*1186528 *1189478	14
48	0139635	0314263	0489082	0664199	0839723	1012524	1192428	13 12
49	.0142545	0317174	.0491997	.0667121	*0842653	1018702	1195378	11
50	0.0145454	0.0320086	0.0494913	0.0670043	0.0845583	0.1021641	0.1198329	10
51	.0148364	0 322998	·0497829	.0672965	.0848512	1024580	·1201279	9
52	0151273	.0325910	*0500746	.0675887	.0851442	1027520	·1204230	8
53	0154183	·0328822	0503662	0678809	0854372	1030460	1207182	7
54 55	*0157093 *0160002	*0331734 *0334646	*0506578 *0509495	·0681732 ·0684654	*0857302 *0860233	·1033399 ·1036340	·1210133 ·1213085	6 5
56	0162912	0337558		0687577				
57	0165821	0340471	·0512411 ·0515328	0690499	·0863163 ·0866094	·1039280 ·1042220	·1216036 ·1218988	3
58	0168731	0343383	0518244	.0693422	*0869025	1045161	·1221941	2
59	.0171641	.0346295	.0521161	.0696345	.0871956	.1048101	·1224893	1
60	0.0174551	0.0349208	0.0524078	0.0699268	0.0874887	0.1051042	0.1227846	0
1	89°	88°	87°	86°	85°	84°	83°	,
		_						
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	7 °	8°	- 9°92	10°	11017	12°	1 3°	/
0 1 2 3 4 5	0·1227846 ·1230798 ·1233752 ·1236705 ·1239658 ·1242612	0·1405408 ·1408375 ·1411342 ·1414308 ·1417276 ·1420243	0·1583844 ·1586826 ·1589809 ·1592791 ·1595774 ·1598757	0·1763270 1766269 1769269 1772269 1775270 1778270	0·1943803 ·1946822 ·1949841 ·1952861 ·1955881 ·1958901	0·2125566 ·2128606 ·2131647 ·2134688 ·2137730 ·2140772	0·2308682 ·2311746 ·2314811 ·2317876 ·2320941 ·2324007	59 58 57 56 55
6	1245566	1423211	·1601740	·1781271	·1961922	·2143814	•2327073	54
7	1248520	1426179	·1604724	·1784273	·1964943	·2146857	•2330140	53
8	1251474	1429147	·1607708	·1787274	·1967964	·2149900	•2333207	52
9	1254429	1432115	·1610692	·1790276	·1970986	·2152944	•2336274	51
10	01257384	01435084	0·1613677	0·1793279	0·1974008	0·2155988	0•2339342	50
11	1260339	1438053	·1616662	•1796281	·1977031	·2159032	·2342410	49
12	1263294	1441022	·1619647	•1799284	·1980053	·2162077	·2345479	48
13	1266249	1443991	·1622632	•1802287	·1983076	·2165122	·2348548	47
14	1269205	1446961	·1625618	•1805291	·1986100	·2168167	·2351617	46
15	1272161	1449931	·1628603	•1808295	·1989124	·2171213	·2354687	45
16	1275117	·1452901	·1631590	1811299	*1992148	*2174259	·2357758	44
17	1278073	·1455872	·1634576	1814303	*1995172	*2177306	·2360829	43
18	1281030	·1458842	·1637563	1817308	*1998197	*2180353	·2363900	42
19	1283986	·1461813	·1640550	1820313	*2001222	*2183400	·2366971	41
20	0 1286943	0·1464784	0·1643537	0:1823319	0*2004248	0*2186448	0·2370044	40
21	·1289900	1467756	•1646525	1826324	*2007274	·2189496	*2373116	39
22	·1292858	1470727	•1649513	1829330	*2010300	·2192544	*2376189	38
23	·1295815	1473699	•1652501	1832337	*2013327	·2195593	*2379262	37
24	·1298773	1476672	•1655489	1835343	*2016354	·2198643	*2382336	36
25	·1301731	1479644	•1658478	1838350	*2019381	·2201692	*2385410	35
26	1304690	·1482617	*1661467	*1841358	*2022409	*2204742	*2388485	34
27	1307648	·1485590	*1664456	*1844365	*2025437	*2207793	*2391560	33
28	1310607	·1488563	*1667446	*1847373	*2028465	*2210844	*2394635	32
29	1313566	·1491536	*1670436	*1850382	*2031494	*2213895	*2397711	31
30	0:1316525	0·1494510	0*1673426	0*1853390	0*2034523	0*2216947	0*2400788	30
31	1319484	1497484	·1676417	1856399	*2037552	*2219999	·2403864	29
32	1322444	1500458	·1679407	1859409	*2040582	*2223051	·2406942	28
33	1325404	1503433	·1682398	1862418	*2043612	*2226104	·2410019	27
34	1328364	1506408	·1685390	1865428	*2046643	*2229157	·2413097	26
35	1331324	1509383	·1688381	1868439	*2049674	*2232211	·2416176	25
36	1334285	1512358	*1691373	1871449	*2052705	*2235265	*2419255	24
37	1337246	1515333	*1694366	1874460	*2055737	*2238319	*2422334	23
38	1340207	1518309	*1697358	1877471	*2058769	*2241374	*2425414	22
89	1343168	1521285	*1700351	1880483	*2061801	*2244429	*2428494	21
40	01346129	0·1524262	0*1703344	0:1883495	0*2064834	0*2247485	0*2431575	20
41	1349091	1527238	•1706338	*1886507	*2067867	*2250541	*2434656	19
42	1352053	1530215	•1709331	*1889520	*2070900	*2253597	*2437737	18
43	1355015	1533192	•1712325	*1892533	*2073934	*2256654	*2440819	17
44	1357978	1536170	•1715320	*1895546	*2076968	*2259711	*2443902	16
45	1360940	1539147	•1718314	*1898559	*2080003	*2262769	*2446984	15
46	1363903	*1542125	·1721309	·1901573	*2083038	*2265827	*2450068	14
47	1366866	*1545103	·1724304	·1904587	*2086073	*2268885	*2453151	13
48	1369830	*1548082	·1727300	·1907602	*2089109	*2271944	*2456236	12
49	1372793	*1551061	·1730296	·1910617	*2092145	*2275003	*2459320	11
50	0:1375757	0*1554040	0·1733292	0·1913632	0*2095181	0*2278063	0*2462405	10
51	1378721	1557019	1736288	*1916648	*2098218	·2281123	*2465491	9
52	1381685	1559998	1739285	*1919664	*2101255	·2284184	*2468577	8
53	1384650	1562978	1742282	*1922680	*2104293	·2287244	*2471663	7
54	1387615	1565958	1745279	*1925696	*2107331	·2290306	*2474750	6
55	1390580	1568939	1748277	*1928713	*2110369	·2293367	*2477837	5
56	1393545	1571919	1751275	·1931731	*2113407	*2296429	*2480925	4
57	1396510	1574900	1754273	·1934748	*2116446	*2299492	*2484013	3
58	1399476	1577881	1757272	·1937766	*2119486	*2302555	*2487102	2
59	1402442	1580863	1760271	·1940784	*2122525	*2305618	*2490191	1
60	01405408	0·1583844	0:1763270	0 ·1943803	0*2125566	0*2308682	0*2493280	0
,	82°	81°	80°	79°	78°	77°	76°	'

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,	14°	15°	16°	17 °	18°	19°	20°	,
0 1 2 3 4 5	0°2493280 °2496370 °2499460 °2502551 °2505642 °2508734	0·2679492 •2682610 •2685728 •2688847 •2691967 •2695087	0°2867454 °2870602 °2873751 °2876900 °2880050 °2883201	0·3057307 ·3060488 ·3063670 ·3066852 ·3070034 ·3073218	0·3249197 ·3252413 ·3255630 ·3258848 ·3262066 ·3265284	0°3443276 °3446530 °3449785 °3453040 °3456296 °3459553	0·3639702 •3642997 •3646292 •3649588 •3652885 •3656182	59 58 57 56 55
6	*2511826	*2698207	*2886352	*3076402	*3268504	*3462810	*3659480	54
7	*2514919	*2701328	*2889503	*3079586	*3271724	*3466068	*3662779	53
8	*2518012	*2704449	*2892655	*3082771	*3274944	*3469327	*3666079	52
9	*2521106	*2707571	*2895808	*3085957	*3278165	*3472586	*3669379	51
10	0*2524200	0*2710694	0*2898961	0*3089143	0*3281387	0*3475846	0*3672680	50
11	*2527294	•2713817	*2902114	*3092330	*3284610	*3479107	*3675981	49
12	*2530389	•2716940	*2905269	*3095517	*3287833	*3482368	*3679284	48
13	*2533484	•2720064	*2908423	*3098705	*3291056	*3485630	*3682587	47
14	*2536580	•2723188	*2911578	*3101893	*3294281	*3488893	*3685890	46
15	*2539676	•2726313	*2914734	*3105083	*3297505	*3492156	*3689195	45
16	*2542773	•2729438	*2917890	*3108272	*3300731	*3495420	3692500	44
17	*2545870	•2732564	*2921047	*3111462	*3303957	*3498685	3695806	43
18	*2548968	•2735690	*2924205	*3114653	*3307184	*3501950	3699112	42
19	*2552066	•2738817	*2927363	*3117845	*3310411	*3505216	3702420	41
20	0*2555165	0•2741945	0*2930521	0*3121036	0*3313639	0*3508483	0-3705728	40
21	*2558264	•2745072	*2933680	*3124229	3316868	3511750	*3709036	39
22	*2561363	•2748201	*2936839	*3127422	3320097	3515018	*3712346	38
23	*2564463	•2751330	*2939999	*3130616	3323327	3518287	*3715656	37
24	*2567564	•2754459	*2943160	*3133810	3326557	3521556	*3718967	36
25	*2570664	•2757589	*2946321	*3137005	3329788	3524826	*3722278	35
26	*2573766	•2760719	*2949483	*3140200	*3333020	3528096	3725590	34
27	*2576868	•2763850	*2952645	*3143396	*3336252	3531368	3728903	33
28	*2579970	•2766981	*2955808	*3146593	*3339485	3534640	3732217	32
29	*2583073	•2770113	*2958971	*3149790	*3342719	3537912	3735532	31
30	0*2586176	0•2773245	0*2962135	0*3152988	0*3345953	0-3541186	03738847	30
31	*2589280	•2776378	*2965299	*3156186	*3349188	*3544460	*3742163	29
32	*2592384	•2779512	*2968464	*3159385	*3352424	*3547734	*3745479	28
33	*2595488	•2782646	*2971630	*3162585	*3355660	*3551010	*3748797	27
34	*2598593	•2785780	*2974796	*3165785	*3358896	*3554286	*3752115	26
35	*2601699	•2788915	*2977962	*3168986	*3362134	*3557562	*3755433	25
36	*2604805	•2792050	·2981129	*3172187	*3365372	*3560840	*3758753	24
37	*2607911	•2795186	·2984297	*3175389	*3368610	*3564118	*3762073	23
38	*2611018	•279832 2	·2987465	*3178591	*3371850	*3567397	*3765394	22
39	*2614126	•2801459	·2990634	*3181794	*3375090	*3570676	*3768716	21
40	0*2617234	0•2804597	0·2993803	0*3184998	0*3378330	0*3573956	0*3772038	20
41	*2620342	*2807735	*2996973	3188202	*3381571	*3577237	*3775361	19
42	*2623451	*2810873	*3000144	3191407	*3384813	*3580518	*3778685	18
43	*2626560	*2814012	*3003315	3194613	*3388056	*3583801	*3782010	17
44	*2629670	*2817152	*3006486	3197819	*3391299	*3587083	*3785335	16
45	*2632780	*2820292	*3009658	3201025	*3394543	*3590367	*3788661	15
46	*2635891	*2823432	*3012831	*3204232	3397787	*3593651	·3791988	14
47	*2639002	*2826573	*3016004	*3207440	3401032	*3596936	·3795315	13
48	*2642114	*2829715	*3019178	*3210649	3404278	*3600222	·3798644	12
49	*2645226	*2832857	*3022352	*3213858	3407524	*3603508	·3801973	11
50	0*2648339	0*2835999	0*3025527	0*3217067	0:3410771	0*3606795	0·3805302	10
51	*2651452	•2839143	*3028703	*3220278	*3414019	3610082	*3808633	9
52	*2654566	•2842286	*3031879	*3223489	*3417267	3613371	*3811964	8
53	*2657680	•2845430	*3035055	*3226700	*3420516	3616660	*3815296	7
54	*2660794	•2848575	*3038232	*3229912	*3423765	3619949	*3818629	6
55	*2663909	•2851720	*3041410	*3233125	*3427015	3623240	*3821962	5
56	*2667025	*2854866	*3044588	*3236338	*3430266	*3626531	*3825296	4
57	*2670141	*2858012	*3047767	*3239552	*3433518	*3629823	*3828631	3
58	*2673257	*2861159	*3050946	*3242766	*3436770	*3633115	*3831967	2
59	*2676374	*2864306	*3054126	*3245981	*3440023	*3636408	*3835303	1
60	0*2679492	0*2867454	0*3057307	0*3249197	0*3443276	0*3639702	0*3838640	0
'	75°	74°	73°	72°	71°	-: 70°	69°	,
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,	21°	22°	23°	24°	25°	26°	27°	,			
0	0.3838640	0.4040262	0.4244748	0.4452287	0.4663077	0.4877326	0.5095254	60			
1	3841978	•4043646	·4248182	4455773	4666618	4880927	.5098919	59			
2	*3845317 *3848656	·4047031 ·4050417	·4251616 ·4255051	·4459260 ·4462747	·4670161	·4884530 ·4888133	·5102585 ·5106252	58			
3 4	3851996	4053804	4258487	446236	•4673705 •4677250	4891737	5100252	57 56			
5	*3855337	4057191	4261924	4469726	4680796	4895343	.5113588	55			
6	3858679	4060579	·4265361	4473216	•4684342	4898949	5117259	54			
7	3862021	4063968	4268800	4476708	4687890	4902557	5117239	53			
8	3865364	4067358	4272239	4480200	4691439	4906166	5124602	52			
9	3868708	·4070748	4275680	·4483693	·4694988	·4909775	.5128275	51			
10	0.3872053	0.4074139	0.4279121	0.4487187	0.4698539	0.4913386	0.5131950	50			
11	3875398	.4077531	·4282563	·4490682	4702090	4916997	5135625	49			
12	*3878744	·4080924	·4286005	·4494178	4705643	4920610	·5139302	48			
13	·3882091	·4084318	4289449	4497675	4709196	·4924224	·5142980	47			
14	*3885439	4087713	4292894	·4501173	·4712751	4927838	•5146658	46			
15	3888787	•4091108	·4296339	4504672	4716306	4931454	•5150338	45			
16	*3892136	·4094504	·4299785	·4508171	·4719863	4935071	·5154019	44			
17	3895486	4097901	4303232	4511672	4723420	4938689	•5157702	43			
18	3898837	4101299	*4306680	4515173	4726978	*4942308	5161385	42			
19 20	*3902189 0*3905541	4104697	·4310129 0·4313579	·4518676 0·4522179	*4730538	*4945928 0:4040540	·5165069 0·5168755	41			
		0.4108097			0.4734098	0.4949549		40			
21	3908894	4111497	4317030	·4525683	4737659	·4953171	.5172441	39			
22	3912247	4114898	4320481	4529188	4741222	4956794	5176129	38			
23 24	3915602	4118300	·4323933	4532694	·4744785 ·4748349	·4960418 ·4964043	•5179818 •5183508	37 36			
25	*3918957 *3922313	·4121703 ·4125106	·4327386 ·4330840	·4536201 ·4539709	4751914	4967669	5187199	35			
								1 1			
26	*3925670	4128519	4334295	4543218	4755481	4971297	•5190891	34			
27 28	·3929027 ·3932386	·4131915 ·4135321	·4337751 ·4341208	·4546728 ·4550238	·4759048 ·4762616	·4974925 ·4978554	·5194584 ·5198278	33			
29	*3935745	4138728	4344665	4553750	4766185	4982185	5201974	31			
30	0.3939105	0.4142136	0.4348124	0.4557263	0.4769755	0.4985816	0.5205671	30			
31	*3942465	4145544	·435158 3	4560776	4773326	.4989449	*5209368	29			
32	3945827	4148953	·4355043	4564290	4776899	4993082	•5213067	28			
33	*3949189	4152363	4358504	·4567806	4780472	4996717	*5216767	27			
34	*3952552	4155774	·4361966	4571322	.4784046	.5000352	•5220468	26			
35	3955916	4159186	·4365429	4574839	·4787621	•5003989	·5224170	25			
36	*3959280	4162598	4368893	4578357	4791197	5007627	.5227874	24			
37	3962645	4166012	.4372357	·4581877	4794774	·5011266	•5231578	23			
38	3966011	·4169426	·4375823	·4585397	4798352	·5014906	•5235284	22			
39	3969378	4172841	4379289	4588918	4801932	.5018547	•5238990	21			
40	0.3972746	0.4176257	0.4382756	0.4592439	0.4805512	0.5022189	0.5242698	20			
41	3976114	·4179673	·4386224	·4595962	4809093	.5025832	5246407	19			
42	3979483	·4183091	· 4 389693	·4599486	·4812675	5029476	.5250117	18			
43	*3982853	4186509	4393163	.4603011	4816258	.5033121	.5253829	17			
44	3986224	4189928	4396634	4606537	*4819842	5036768	5257541	16			
45	*3989595	•4193348	4400105	·4610063	4823427	.5040415	•5261255	15			
46	*3992968	4196769	·4403578	·4613591	4827014	5044063	5264969	14			
47	3996341	•4200190	4407051	4617119	·4830601	5047713	5268685	13			
48	3999715	·4203613	*4410526	*4620649	·4834189	·5051363 ·5055015	·5272402 ·5276120	12 11			
49 50	4003089 0 4006465	·4207036 0·4210460	·4414001 0·4417477	·4624179 0·4627710	*4837778 0*4841368	0.5058668	0·5279839	10			
1								9			
51 52	·4009841 ·4013218	·4213885	·4420954	·4631243	·4844959 ·4848552	·5062322 ·5065977	·5283560 ·5287281				
53	4015218	·4217311 ·4220738	·4424432 ·4427910	4634776 4638310	4848552	*5069633	5291004	8 7			
54	4010330	4224165	4431390	4641845	·4855739	•5073290	5294727	6			
55	4023354	4227594	4434871	4645382	4859334	5076948	5298452	5			
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57	4030115	4234453	4441834	4652457	4866528	5084267	5305906	3			
58-	.4033496	4237884	4445318	4655996	4870126	5087929	.5309634	2			
59	4036879	4241316	·4448802	·465953 6	·4873726	·5091591	.5313364	1 1			
60	0.4040262	0.4244748	0.4452287	0.4663077	0.4877326	0.5095254	0.5317094	0			
,	68°	67°	- 66°	. 65°	64°	63°	62°	1,			
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	NATURAL COTANGENTS 211										

,	28°	29°	30°	31°	32°	33°	34°	,
0	0°5317094 •5320826	0.5543091 .5546894	0.5773503 .5777382	0.6008606 .6012566	0.6248694 .6252739	0.6494076 .6498212	0.6745085 .6749318	60 59
2	*5324559	•5550698	5781262	6016527	6256786	6502350	6753553	58
3	*5328293	•5554504	5785144	6020490	6260834	·6506490	·6757790	57
4	*5332029	5558311	5789027	*6024454 *6028419	·6264884 ·6268935	·6510631 ·6514774	·6762028 ·6766268	56
5	5335765	•5562119	5792912				6770509	54
6	*5339503 *5343242	•5565929 •5569739	•5796797 •5800684	·6032386 ·6036354	·6272988 ·6277042	·6518918 ·6523064	6774752	53
8	*5346981	5573551	5804573	6040323	6281098	6527211	•6778997	52
9	5350723	•5577364	*5808462	6044294	6285155	·6531360	•6783243	51
10	0.5354465	0.5581179	0.5812353	0.6048266	0.6289214	0.6535511	0.6787492	50
11 12	*5358208 *5361953	•5584994 •5588811	•5816245 •5820139	*6052240 *6056215	·6293274 ·6297336	•6539663 •6543817	6791741 6795993	49
13	*5365699	•5592629	•5824034	6060192	·6301399	6547972	6800246	47
14	5369446	•5596449	•5827930	6064170	6305464	*6552129	6804501	46
15	•5373194	·5600269	•5831828	·6068149	·6309530	6556287	6808758	45
16	5376943	5604091	•5835726	6072130	6313598	6560447	6813016	44
17 18	•5380694 •5384445	*5607914	·5839627 ·5843528	·6076112 ·6080095	·6317667 ·6321738	*6564609 *6568772	·6817276 ·6821537	43
18	*5384445 *5388198	*5611738 *5615564	·5843528 ·5847431	6084080	6325810	6572937	6825801	41
20	0.5391952	0.5619391	0.5851335	0.6088067	0.6329883	0.6577103	0.6830066	40
21	•5395707	•5623219	·5855241	6092054	·6333959	6581271	6834333	39
22	•5399464	•5627048	•5859148	6096043	6338035	6585441	6838601	38
23	*5403221 *5406980	5630879	•5863056 •5866965	·6100034 ·6104026	·6342113 ·6346193	*6589612 *6593785	·6842871 ·6847143	37
25	5410740	•5634710 •5638543	5870876	6108019	6350274	6597960	6851416	35
26	•5414501	•5642378	•5874788	·6112014	6354357	6602136	6855692	34
27	·5418263	5646213	•5878702	6116011	6358441	.6606313	6859969	33
28	5422027	*5650050	•5882616	•6120008	6362527	*6610492	·6864247 ·6868528	32 31
29 30	*5425791 0*5429557	*5653888 0*5657728	*5886533 0*5890450	·6124007 0·6128008	·6366614 0·6370703	6614673 06618856	0.6872810	30
31	*5433324	•5661568	•5894369	6132010	6374793	*6623040	6877093	29
32	5437092	5665410	*5898289	·6136013	6378885	6627225	·6881379	28
33	•5440862	5669254	•5902211	6140018	*6382978 *6387073	*6631413	*6885666 *6889955	27 26
34 35	*5444632 *5448404	•5673098 •5676944	*5906134 *5910058	*6144024 *6148032	6391169	·6635601 ·6639792	6894246	25
36	5452177	•5680791	•5913984	6152041	6395267	6643984	·6898538	24
37	•5455951	5684639	·5917 91 0	·6156052	*6399366	6648178	*6902832	23
38	•5459727	*5688488	5921839	6160064	*6403467	•6652373	*6907128	22 21
89 40	*5463503 0:5467281	*5692339 0*5696191	*5925768 0*5929699	·6164077 0·6168092	·6407569 0·6411673	*6656570 0*6660769	6911425 0:6915725	20
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42	5474840	•5703899	•5937565	·6176126	·6419886	6669171	6924328	18
43	5478621	•5707755	5941501	6180145	•6423994	6673374	•6928633	17
44	*5482404 *5486188	·5711612 ·5715471	·5945437 ·5949375	·6184166 ·6188188	6428105 6432216	6677580 6681786	·6932939 ·6937247	16 15
46	•5489973	•5719331	•5953314	6192211	•6436329	·6685995	6941557	14
47	5493759	•5723192	*5957255	6196236	6440444	6690205	6945868	13
48	5497547	*5727054	•5961196	6200263	6444560	6694417	6950181	12
49	5501335	5730918	*5965140	*6204291	•6448678	6698630	6954496	11
50	0.5505125	0.5734783	0.5969084	0.6208320	0.6452797	0.6702845	0.6958813	10
51 52	·5508916 ·5512708	·5738649 ·5742516	*5973030 *5976978	·6212351 ·6216383	*6456918 *6461041	·6707061 ·6711280	•6963131 •6967451	9
53	5516502	*5746385	5980926	6220417	·6465165	6715500	6971773	8 7
54	*5520297	5750255	.5984877	*6224452	·6469290	6719721	6976097	6
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57 58	•5535488	*5761873 *5765748	6000691	6240607	*6485808	6736624	6993409	2
59	*5539288	•5769625	6004648	6244650	·6489941	6740854	6997741	1
60	0.5543091	0.5773503	0.6008606	0.6248694	0.6494076	0.6745085	0.7002075	0
′	61°	60°	59°	58°	57 °	56°	55°	'

	35°	36°	37°	38°	39°	40°	41°	,
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1	.7006411	·7269871	•7540102	*7817542				
2	·7010749	·7274318	7544666	·7822229	8107478	*8400915	8703087	58
3	7015089	·7278767	·7549232	7826919	*8112300	*8405878	8708200	57
4	7019430	7283218	·7553799	·7831611	'8117124	*8410844	8713316	56
5	.7023773	7287671	·7558369	7836305	*8121951	*8415812	8718435	55
6	.7028118	·7292125	.7562941	.7841002	*8126780	*8420782	*8723556	54
7	.7032464	7296582	.7567514	7845700	*8131611	8425755	*8728680	53
8	7036813	7301041	7572090	7850400	8136444	*8430730	*8733806	52
9	7041163	7305501	7576668	7855103	*8141280	8435708	*8738935	51
10	0.7045515	0.7309963	0.7581248	0.7859808	0.8146118	0.8440688	0.8744067	50
11	·7049869	.7314428	·7585829	·7864515	*8150958	*8445670	*8749201	49
12			7590413	·7869224	*8155801	8450655	*8754338	48
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13	*7058581	*7323362	•7594999	·7873935	*8165493	*8460633	8764620	46
14	7062940	*7327832	7599587	*7878649			*8769765	45
15	7067301	·7332303	.7604177	7883364	8170343	*8465625	.8169169	40
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17	7076028	7341253	7613363	7892802	8180049	8475617	*8780062	43
18	7080395	7345730	7617959	7897524	*8184905	8480617	8785215	42
19	7084763	.7350210	.7622557	7902248	8189764	*8485619	8790370	41
20	0.7089133	0.7354691	0.7627157	0.7906975	0.8194625	0.8490624	0.8795528	40
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21	·7093504	.7359174	7631759	7911703	*8199488	*8495631	*8800688	39
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23	·7102253	·7368147	·7640969	7921167	*8209222	*8505653	*8811017	37
24	·7106630	·7372636	·7645577	·7925902	*8214093	8510667	·8816186	36
25	.7111009	$\cdot 7377127$	7650188	·7930640	*8218965	*8515684	*8821357	35
26	·7115390	.7381620	.7654800	·7935379	8223840	*8520704	*8826531	34
27	7119772	7386115	.7659414	7940121	8228718	*8525726	8831707	33
28	7124157	.7390611	.7664031	•7944865	8233597	8530750	8836886	32
29	•7128543	7395110	.7668649	.7949611	8238479	*8535777	*8842068	31
30	0.7132931	0.7399611	0.7673270	0.7954359	0.8243364	0.8540807	0.8847253	30
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31	·7137320	·7404113	·7677893	·7959110	*8248251	8545839	8852440	29
32	.7141712	·7408618	·7682517	·7963862	8253140	*8550873	·8857630	28
33	7146106	·7413124	·7687144	7968617	*8258031	*8555910	*8862822	27
34	.7150501	·7417633	•7691773	·7973374	*8262925	*8560950	*8868017	26
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36	7159297	·7426655	.7701037	·7982895	8272719	*8571037	*8878415	24
37	7163698	.7431170	7705672	7987659	8277620	8576084	*8883619	23
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		·7440204	·7714948	•7997193	8287429	*8586185	*8894033	21
39	·7172505	0.7444724	0.7719589	0.8001963	0.8292337	0.8591240	0.8899244	
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41	•7181319	7449246	•7724233	8006736	*8297247	*8596297	*8904458	19
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44	7194554	7462824	.7738176	8021067	8311992	*8611484	*8920116	16
45	7198970	•7467354	·7742827	*8025849	*8316912	·8616551	*8925341	15
46	·7203387	·7471886	.7747481	*8030632	*8321834	*8621621	*8930569	14
47	7207806	.7476420	.7752137	*8035418	8326759	*8626694	*8935799	13
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51	·7225502	•7494575	·7770782	*8054584	*8346481	*8647009	8956747	9
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55	7243227	7512762	7789460	*8073787	*8366242	*8667365	8977739	5
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57	·7252101	·7521867	.7798812	*8083401	*8376136	*8677558	*8988251	3
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59	•7260982	•7530981	7808173	*8093025	*8386041	*8687762	*8998775	1
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,	54°	53°	52°	. 51°	50°	49°	48°	,
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2	9014580	·9336034	9668137	1:0011642	1.0367367	1:0736203	1·1119127	58
3	9019854	·9341479	9678767	1:0017469	1.0373404	1:0742467	1·1125635	57
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6	9035693	9357834	*9690674	1.0034968	1.0391538	1.0761282	1·1145182	54
7	9040979	9363292	*9696316	1.0040807	1.0397589	1.0767561	1·1151706	53
8	9046267	9368753	*9701962	1.0046651	1.0403645	1.0773845	1·1158235	52
9	9051557	9374216	*9707610	1.0052497	1.0409704	1.0780132	1·1164768	51
10	09056851	09379683	0*9713262	1.0058348	1.0415767	1.0786423	1·1171305	50
11	9062147	*9385153	9718917	1:0064201	1.0421833	1.0792718	1·1177846	49
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13	9072748	*9396101	9730236	1:0075918	1.0433977	1.0805321	1·1190941	47
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15	9083360	*9407061	9741569	1:0087649	1.0446136	1.0817939	1·1204053	45
16	*9088671	*9412545	9747240	1.0093520	1.0452221	1.0824254	1·1210616	44
17	*9093984	*9418033	9752914	1.0099394	1.0458310	1.0830573	1·1217183	43
18	*9099300	*9423523	9758591	1.0105272	1.0464402	1.0836896	1·1223754	42
19	*9104619	*9429017	9764272	1.0111153	1.0470498	1.0843223	1·1230329	41
20	0*9109940	0 *9434513	0 9769956	1.0117038	1.0476598	1.0849554	1·1236909	40
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22	*9120592	*9445516	9781333	1.0128817	1.0488809	1.0862228	1·1250081	38
23	*9125922	*9451021	9787027	1.0134712	1.0494920	1.0868571	1·1256674	37
24	*9131255	*9456530	9792724	1.0140610	1.0501034	1.0874918	1·1263271	36
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27	*9147270	*9473074	•9809833	1·0158326	1.0519401	1.0893984	1·1283088	33
28	*9152615	*9478595	•9815543	1·0164239	1.0525531	1.0900347	1·1289702	32
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39	9211590	•9539526	9878567	1.0229506	1.0593206	1.0970609	1·1362747	21
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44	*9238512	9567344	*9907346	1·0259315	1.0624119	1.1002709	1·1396126	16
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48	*9260102	9589655	*9930429	1.0283226	1.0648918	1·1028463	1·1422908	12
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6 7 8 9 10	1.1544316 1.1551104 1.1557896 1.1564693 1.1571495	1·1959866 1·1966938 1·1974015 1·1981097 1·1988184	1·2393136 1·2400515 1·2407900 1·2415290 1·2422685	1·2845566 1·2853277 1·2860995 1·2868718 1·2876447	1:3318750 1:3326822 1:3334900 1:3342984 1:3351075	1 3814458 1 3822922 1 3831392 1 3839869 1 3848353	1·4334664 1·4343554 1·4352451 1·4361356 1·4370268	54 53 52 51 50
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21 22 23 24 25	1 1646615 1 1653472 1 1660334 1 1667200 1 1674071	1.2066468 1.2073615 1.2080767 1.2087924 1.2095085	1·2504388 1·2511848 1·2519313 1·2526784 1·2534260	1·2961850 1·2969649 1·2977454 1·2985265 1·2993081	1 3440492 1 3448658 1 3456832 1 3465011 1 3473198	1·3942131 1·3950698 1·3959272 1·3967852 1·3976440	1.4468796 1.4477798 1.4486808 1.4495825 1.4504850	39 38 37 36 35
26 27 28 29 30 31	1·1680947 1·1687827 1·1694712 1·1701601 1·1708496	1·2102252 1·2109424 1·2116601 1·2123783 1·2130970 1·2138162	1·2541742 1·2549229 1·2556721 1·2564219 1·2571723 1·2579232	1·3000904 1·3008733 1·3016567 1·3024407 1·3032254 1·3040106	1:3481390 1:3489589 1:3497794 1:3506006 1:3514224 1:3522449	1·3985034 1·3993636 1·4002245 1·4010860 1·4019483 1·4028113	1.4513883 1.4522923 1.4531971 1.4541027 1.4550090	34 33 32 31 30 29
32 33 34 35 36	1·1715395 1·1722298 1·1729207 1·1736120 1·1743038 1·1749960	1·2135102 1·2145359 1·2152562 1·2159769 1·2166982 1·2174199	1·25/9252 1·2586747 1·2594267 1·2601792 1·2609323 1·2616860	1:3047964 1:3055828 1:3063699 1:3071575	1.3530680 1.3538918 1.3547162 1.3555413	1·4036749 1·4045393 1·4054044 1·4062702	1:4559161 1:4568240 1:4577326 1:4586420 1:4595522 1:4604632	28 27 26 25 24
37 38 39 40	1 1756888 1 1763820 1 1770756 1 1777698	1·2181422 1·2188650 1·2195883 1·2203121	1·2624402 1·2631950 1·2639503 1·2647062	1.3079457 1.3087345 1.3095239 1.3103140 1.3111046	1.3563670 1.3571934 1.3580204 1.3588481 1.3596764	1.4071367 1.4080039 1.4088718 1.4097405 1.4106098	1·4613749 1·4622874 1·4632007 1·4641147	23 22 21 20
41 42 43 44 45 46	1·1784644 1·1791595 1·1798551 1·1805512 1·1812477 1·1819447	1·2210364 1·2217613 1·2224866 1·2232125 1·2239389 1·2246658	1.2654626 1.2662196 1.2669772 1.2677353 1.2684940 1.2692532	1.3118958 1.3126876 1.3134801 1.3142731 1.3150668 1.3158610	1.3605054 1.3613350 1.3621653 1.3629963 1.3638279 1.3646602	1.4114799 1.4123506 1.4132221 1.4140943 1.4149673 1.4158409	1.4650296 1.4659452 1.4668616 1.4677788 1.4686967 1.4696155	19 18 17 16 15
47 48 49 50	1·1826422 1·1833402 1·1840387 1·1847376	1·2253932 1·2253932 1·2261211 1·2268496 1·2275786 1·2283081	1·2700130 1·2707733 1·2715342 1·2722957	1·3166559 1·3174513 1·3182474 1·3190441	1:3654931 1:3663267 1:3671610 1:3679959	1·4167153 1·4175904 1·4184662 1·4193427	1·4705350 1·4714553 1·4723764 1·4732983	13 12 11 10 9
51 52 53 54 55	1.1854370 1.1861369 1.1868373 1.1875382 1.1882395 1.1889414	1°2283081 1°2290381 1°2297687 1°2304997 1°2312313 1°2319634	1·2730578 1·2738204 1·2745835 1·2753473 1·2761116 1·2768765	1·3198414 1·3206393 1·3214379 1·3222370 1·3230368 1·3238371	1.3688315 1.3696678 1.3705047 1.3713423 1.3721806 1.3730195	1·4202200 1·4210979 1·4219766 1·4228561 1·4237362 1·4246171	1·4742210 1·4751445 1·4760688 1·4769938 1·4779197 1·4788463	8 7 6 5
57 58 59 60	1·1896437 1·1903465 1·1910498 1·1917536	1·2326961 1·2334292 1·2341629 1·2348972	1·2776419 1·2784079 1·2791745 1·2799416	1 ·3246381 1 ·3254397 1 ·3262420 1 ·3270448	1:3738591 1:3746994 1:3755403 1:3763819	1·4254988 1·4263811 1·4272642 1·4281480	1·4797738 1·4807021 1·4816311 1·4825610	3 2 1 0
	40°	39°	38°	37°	36°	35°	34°	
L								4

,	56°	57°	58°	59°	60°	61°	62°	,
0	1.4825610	1.5398650	1.6003345	1.6642795	1·7320508	1.8040478	1°8807265	60
1	1.4834916	1.5408460	1.6013709	1.6653766	1·7332149	1.8052860	1°8820470	59
2	1.4844231	1.5418280	1.6024082	1.6664748	1·7343803	1.8065256	1°8833690	58
3	1.4853554	1.5428108	1.6034465	1.6675741	1·7355468	1.8077664	1°8846924	57
4	1.4862884	1.5437946	1.6044858	1.6686744	1·7367144	1.8090086	1°8860172	56
5	1.4872223	1.5447792	1.6055260	1.6697758	1·7378833	1.8102521	1°8873436	55
6	1.4881570	1:5457647	1.6065672	1.6708782	1.7390533	1·8114969	1.8886713	54
7	1.4890925	1:5467510	1.6076094	1.6719818	1.7402245	1·8127430	1.8900006	53
8	1.4900288	1:5477383	1.6086525	1.6730864	1.7413969	1·8139904	1.8913313	52
9	1.4909659	1:5487264	1.6096966	1.6741921	1.7425705	1·8152391	1.8926635	51
10	1.4919039	1:5497155	1.6107417	1.6752988	1.7437453	1·8164892	1.8939971	50
11	1:4928426	1:5507054	1.6117878	1.6764067	1.7449213	1.8177405	1.8953322	49
12	1:4937822	1:5516963	1.6128349	1.6775156	1.7460984	1.8189932	1.8966688	48
13	1:4947225	1:5526880	1.6138829	1.6786256	1.7472768	1.8202473	1.8980068	47
14	1:4956637	1:5536806	1.6149320	1.6797367	1.7484564	1.8215026	1.8993464	46
15	1:4966058	1:5546741	1.6159820	1.6808489	1.7496371	1.8227593	1.9006874	45
16	1·4975486	1.5556685	1.6170330	1.6819621	1.7508191	1·8240173	1.9020299	44
17	1·4984923	1.5566639	1.6180850	1.6830765	1.7520023	1·8252767	1.9033738	43
18	1·4994367	1.5576601	1.6191380	1.6841919	1.7531866	1·8265374	1.9047193	42
19	1·5003821	1.5586572	1.6201920	1.6853085	1.7543722	1·8277994	1.9060663	41
20	1·5013282	1.5596552	1.6212469	1.6864261	1.7555590	1·8290628	1.9074147	40
21	1·5022751	1.5606542	1.6223029	1.6875449	1.7567470	1·8303275	1.9087647	39
22	1·5032229	1.5616540	1.6233599	1.6886647	1.7579362	1·8315936	1.9101162	38
23	1·5041716	1.5626548	1.6244178	1.6897856	1.7591267	1·8328610	1.9114691	37
24	1·5051210	1.5636564	1.6254768	1.6909077	1.7603183	1·8341297	1.9128236	36
25	1·5060713	1.5646590	1.6265368	1.6920308	1.7615112	1·8353999	1.9141795	35
26	1.5070224	1.5656625	1.6275977	1.6931550	1.7627053	1.8366713	1·9155370	34
27	1.5079743	1.5666669	1.6286597	1.6942804	1.7639007	1.8379442	1·9168960	33
28	1.5089271	1.5676722	1.6297227	1.6954069	1.7650972	1.8392184	1·9182565	32
29	1.5098807	1.5686784	1.6307867	1.6965344	1.7662950	1.8404940	1·9196186	31
30	1.5108352	1.5696856	1.6318517	1.6976631	1.7674940	1.8417709	1·9209821	30
31	1·5117905	1·5706936	1.6329177	1.6987929	1.7686943	1.8430492	1.9223472	29
32	1·5127466	1·5717026	1.6339847	1.6999238	1.7698958	1.8443289	1.9237138	28
33	1·5137036	1·5727126	1.6350528	1.7010559	1.7710985	1.8456099	1.9250819	27
34	1·5146614	1·5737234	1.6361218	1.7021890	1.7723024	1.8468923	1.9264516	26
35	1·5156201	1·5747352	1.6371919	1.7033233	1.7735076	1.8481761	1.9278228	25
36	1.5165796	1.5757479	1.6382630	1.7044587	1.7747141	1.8494613	1.9291956	24
37	1.5175400	1.5767615	1.6393351	1.7055953	1.7759218	1.8507479	1.9305699	23
38	1.5185012	1.5777760	1.6404082	1.7067329	1.7771307	1.8520358	1.9319457	22
39	1.5194632	1.5787915	1.6414824	1.7078717	1.7783409	1.8533252	1.9333231	21
40	1.5204261	1.5798079	1.6425576	1.7090116	1.7795524	1.8546159	1.9347020	20
41	1.5213899	1.5808253	1.6436338	1.7101527	1.7807651	1.8559080	1.9360825	19
42	1.5223545	1.5818436	1.6447111	1.7112949	1.7819790	1.8572015	1.9374645	18
43	1.5233200	1.5828628	1.6457893	1.7124382	1.7831943	1.8584965	1.9388481	17
44	1.5242863	1.5838830	1.6468687	1.7135827	1.7844107	1.8597928	1.9402333	16
45	1.5252535	1.5849041	1.6479490	1.7147283	1.7856285	1.8610905	1.9416200	15
46	1.5262215	1.5859261	1.6490304	1.7158751	1.7868475	1.8623896	1.9430083	14
47	1.5271904	1.5869491	1.6501128	1.7170230	1.7880678	1.8636902	1.9443981	13
48	1.5281602	1.5879731	1.6511963	1.7181720	1.7892893	1.8649921	1.9457896	12
49	1.5291308	1.5889979	1.6522808	1.7193222	1.7905121	1.8662955	1.9471826	11
50	1.5301023	1.5900238	1.6533663	1.7204736	1.7917362	1.8676003	1.9485772	10
51	1·5310746	1.5910505	1.6544529	1.7216261	1.7929616	1.8689065	1.9499733	9
52	1·5320479	1.5920783	1.6555405	1.7227797	1.7941883	1.8702141	1.9513711	8
53	1·5330219	1.5931070	1.6566292	1.7239346	1.7954162	1.8715231	1.9527704	7
54	1·5339969	1.5941366	1.6577189	1.7250905	1.7966454	1.8728336	1.9541713	6
55	1·5349727	1.5951672	1.6588097	1.7262477	1.7978759	1.8741455	1.9555739	5
56	1·5359494	1·5961987	1.6599016	1.7274060	1.7991077	1.8754588	1.9569780	4
57	1·5369270	1·5972312	1.6609945	1.7285654	1.8003408	1.8767736	1.9583837	3
58	1·5379054	1·5982647	1.6620884	1.7297260	1.8015751	1.8780898	1.9597910	2
59	1·5388848	1·5992991	1.6631834	1.7308878	1.8028108	1.8794074	1.9612000	1
60	1·5398650	1·6003345	1.6642795	1.7320508	1.8040478	1.8807265	1.9626105	0
′	33°	32°	31°	30°	29°	28°	27°	'

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,	63°	64°	65°	66°	67°	68°	69°	,
0	1.9626105	2.0503038	2.1445069	2.2460368	2.3558524	2.4750869	2 6050891	60
1	1.9640227	2.0518185	2.1461366	2.2477962	2.3577590	2.4771612	2.6073558 2.6096259	59
2 3	1.9654364 1.9668518	2.0533349 2.0548531	2·1477683 2·1494021	2·2495580 2·2513221	2:3596683 2:3615801	2·4792386 2·4813190	2.6118995	58 57
4	1.9682688	2.0563732	2.1510378	2.2530885	2.3634946	2.4834023	2.6141766	56
5	1.9696874	2.0578950	2.1526757	2 2548572	2.3654118	2.4854887	2.6164571	55
6	1.9711077	2.0594187	2.1543156	2.2566283	2.3673316	2.4875781	2.6187411	54
7	1.9725296	2.0609442	2.1559575	2.2584016	2.3692540	2.4896706	2.6210286	53
8	1.9739531	2.0624716	2.1576015	2.2601773	2.3711791	2.4917660	2.6233196	52
9	1.9753782	2.0640008	2.1592476	2.2619554	2:3731068	2.4938645	2 6256141	51
10	1.9768050	2.0655318	2.1608958	2.2637357	2.3750372	2.4959661	2.6279121	50
11	1.9782334	2.0670646	2.1625460	2.2655184	2.3769703	2.4980707	2.6302136	49
12	1 9796635 1 9810952	2·0685994 2·0701359	2·1641983 2·1658527	2·2673035 2·2690909	2·3789060 2·3808444	2·5001784 2·5022891	2.6325186 2.6348271	47
14	1.9825286	2.0716743	2.1675091	2.2708807	2.3827855	2.5044029	2.6371392	46
15	1.9839636	2.0732146	2.1691677	2.2726729	2.3847293	2.5065198	2.6394549	45
16	1.9854003	2.0747567	2.1708283	2.2744674	2.3866758	2.5086398	2.6417741	44
17	1.9868387	2.0763007	2.1724911	2.2762643	2.3886250	2.5107629	2 6440969	43
18	1 9882787	2.0778465	2.1741559	2.2780636	2.3905769	2.5128890	2 6464232	42
19	1.9897204	2.0793942	2.1758229	2.2798653	2:3925316	2.5150183	2.6487531	41
20	1.9911637	2.0809438	2.1774920	2.2816693	2.3944889	2.5171507	2.6510867	40
21 22	1.9926087	2.0824953	2.1791631	2.2834758	2.3964490	2.5192863	2.6534238	39
23	1.9940554 1.9955038	2.0840487 2.0856039	2·1808364 2·1825119	2·2852846 2·2870959	2·3984118 2·4003774	2·5214249 2·5235667	2.6557645 2.6581089	38 37
24	1.9969539	2.0871610	2.1841894	2.2889096	2.4023457	2.5257117	2.6604569	36
25	1.9984056	2.0887200	2.1858691	2.2907257	2.4043168	2.5278598	2.6628085	35
26	1.9998590	2.0902809	2.1875510	2.2925442	2.4062906	2.5300111	2.6651638	34
27	2.0013142	2.0918437	2.1892349	2.2943651	2.4082672	2.5321655	2 6675227	33
28	2.0027710	2.0934085	2.1909210	2.2961885	2.4102465	2.5343231	2.6698853	32
29	2·0042295 2·0056897	2·0949751 2·0965436	2·1926093 2·1942997	2·2980143 2·2998425	2·4122286 2·4142136	2·5364839 2·5386479	2.6722516 2.6746215	31
								1 .
31 32	2·0071516 2·0086153	2.0981140 2.0996864	2·1959923 2·1976871	2:3016732 2:3035064	2·4162013 2·4181918	2·5408151 2·5429855	2.6769951 2.6793725	29 28
33	2.0100806	2.1012607	2.1993840	2.3053420	2.4201851	2.5451591	2.6817535	27
34	2.0115477	2.1028369	2.2010831	2.3071801	2.4221812	2.5473359	2.6841383	26
35	2.0130164	2.1044150	2.2027843	2.3090206	2.4241801	2.5495160	2.6865267	25
36	2.0144869	2.1059951	2.2044878	2.3108637	2.4261819	2.5516992	2.6889190	24
37	2.0159592	2.1075771	2.2061934	2.3127092	2.4281864	2.5538858	2.6913149	23
38	2.0174331	2.1091611	2.2079012	2:3145571	2.4301938	2.5560756	2.6937147	22.
39 40	2·0189088 2·0203862	2·1107470 2·1123348	2·2096112 2·2113234	2·3164076 2·3182606	2·4322041 2·4342172	2.5582686 2.5604649	2·6961181 2·6985254	21 20
41	2.0218654	2.1139246	2.2130379	2 3201160	2.4362331	2.5626645	2.7009364	19
42	2.0233462	2.1155164	~2·2147545	2.3211100	2.4382519	2.5648674	2.7033513	18
43	2.0248289	2.1171101	2.2164733	2.3238345	2.4402736	2.5670735	2.7057699	17
44	2.0263133	2.1187057	2.2181944	2.3256975	2.4422982	2.5692830	2.7081923	16
45	2.0277994	2.1203034	2.2199177	2.3275630	2 4443256	2.5714957	2.7106186	15
46	2.0292873	2.1219030	2.2216432	2.3294311	2.4463559	2.5737118	2.7130487	14
47	2.0307769	2.1235046	2.2233709	2.3313017	2.4483891	2.5759312	2.7154826	13
48	2·0322683 2·0337615	2·1251082 2·1267137	2·2251009 2·2268331	2·3331748 2·3350505	2·450425? 2·4524642	2·5781539 2·5803800	2·7179204 2·7203620	12
50	2.0352565	2.1283213	2.2285676	2.3369287	2.4545061	2.5826094	2.7228076	10
51	2.0367532	2.1299308	2.2303043	2.3388095	2.4565510	2.5848421	2.7252569	9
52	2.0382517	2.1315423	2.2320433	2.3406928	2.4585987	2.5870782	2.7277102	8
53	2.0397519	2.1331559	2.2337845	2.3425787	2.4606494	2.5893177	2.7301674	7
54	2·0412540 2·0427578	2·1347714 2·1363890	2·2355280 2·2372738	2.3444672	2·4627030 2·4647596	2·5915606 2·5938068	2·7326284 2·7350934	6
				2.3463582				1
56 57	2:0442634 2:0457708	2·1380085 2·1396301	2·2390218 2·2407721	2.3482519	2·4668191 2·4688816	2·5960564 2·5983095	2·7375623 2·7400352	4 3
58	2.0477800	2.1412537	2.2425247	2·3501481 2·3520469	2.4709470	2.6005659	2.7425120	2
59	2.0487910	2.1428793	2.2442796	2.3539483	2.4730155	2.6028253	2.7449927	1
60	2.0503038	2.1445069	2.2460368	2.3558524	2.4750869	2.6050891	2.7474774	0
,	26°	25°	24°	23°	22°	21°	20°	,
	20	~~	44	20	~~	~~		
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,	70°	71°	72°	7 3°	74°	75° -	7 6°	,
0	2·7474774	2·9042109	3·0776835	3·2708526	3·4874144	3·7320508	4·0107809	60
1	2·7499661	2·9069576	3·0807325	3·2742588	3·4912470	3·7363980	4·0157570	59
2	2·7524588	2·9097089	3·0837869	3·2776715	3·4950874	3·7407546	4·0207446	58
3	2·7549554	2·9124649	3·0868468	3·2810907	3·4989356	3·7451207	4·0257440	57
4	2·7574561	2·9152256	3·0899122	3·2845164	3·5027916	3·7494963	4·0307550	56
5	2·7599608	2·9179909	3·0929831	3·2879487	3·5066555	3·7538815	4·0357779	55
6	2·7624695	2.9207610	3·0960596	3·2913876	3·5105273	3·7582763	4 ·0408125	54
7	2·7649822	2.9235358	3·0991416	3·2948330	3·5144070	3·7626807	4 ·0458590	53
8	2·7674990	2.9263152	3·1022291	3·2982851	3·5182946	3·7670947	4 ·0509174	52
9	2·7700199	2.9290995	3·1053223	3·3017438	3·5221902	3·7715185	4 ·0559877	51
10	2·7725448	2.9318885	3·1084210	3·3052091	3·5260938	3·7759519	4 ·0610700	50
11	2·7750738	2.9346822	3·1115254	3·3086811	3·5300054	3·7803951	4·0661643	49
12	2·7776069	2.9374807	3·1146353	3·3121598	3·5339251	3·7848481	4·0712707	48
13	2·7801440	2.9402840	3·1177509	3·3156452	3·5378528	3·7893109	4·0763892	47
14	2·7826853	2.9430921	3·1208722	3·3191373	3·5417886	3·7937835	4·0815199	46
15	2·7852307	2.9459050	3·1239991	3·3226362	3·5457325	3·7982661	4·0866627	45
16	2·7877802	2.9487227	3·1271317	3·3261419	3·5496846	3·8027585	4·0918178	44
17	2·7903339	2.9515453	3·1302701	3·3296543	3·5536449	3·8072609	4·0969852	43
18	2·7928917	2.9543727	3·1334141	3·3331736	3·5576133	3·8117733	4·1021649	42
19	2·7954537	2.9572050	3·1365639	3·3366997	3·5615900	3·8162957	4·1073569	41
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37	2·8422926	3·0090330	3·1942598	3·4013612	3·6346064	3.8994516	4·2029835	23
38	2·8449356	3·0119603	3·1975217	3·4050210	3·6387444	3.9041710	4·2084196	22
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40	2·8502349	3·0178301	3·2040638	3·4123626	3·6470467	3.9136420	4·2193318	20
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	19°	18°	17°	16°	15°	14°	13°	,

,	77°	78°	79°	80°	81°	82°	83°	١,
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1	4.3372316	4.7113686	5.1525557	5.6809446	6.3256601	7.1304190	8.1639786	59
2	4.3430018	4.7181256	5.1605813	5.6906394	6.3376126	7.1455308	8.1837041	58
3 4	4·3487866 4·3545861	4·7249012 4·7316954	5·1686311 5·1767051	5·7003663 5·7101256	6·3496092 6·3616502	7·1607056 7·1759437	8·2035239 8·2234384	5
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6	4.3662293	4.7453401	5 1929264	5.7297416	6.3858665	7.2066116	8.2635547	5
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21	4.4554756	4.8501282	5.3177830	5.8811386	6.5733892	7.4450855	8.5771838	3
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25	10·229428	12·474221	15·968667	22.163980	36·177596	98 217943	35
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27	10·291255	12·565997	16·118998	22·454096	36·956001	104·17094	33
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26	1.0000286	1.0003130	1.0009025	1.0017981	1.0030010	1.0045132	1.0063370	34
27	1.0000308	1.0003203	1.0009149	1.0018156	1.0030237	1.0045411	1.0063701	33
28	1.0000332	1.0003277	1.0009274	1.0018332	1.0030464	1.0045690	1.0064032	32
29	1.0000356	1.0003352	1.0009400	1.0018509	1.0030693	1.0045970	1.0064364	31
30	1.0000381	1.0003428	1.0009527	1.0018687	1.0030922	1.0046251	1.0064697	30
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35	1.0000518	1.0003820	1.0010173	1.0019589	1·0032081	1.0047669	1.0066376	25
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,	89°	88°	87°	86°	85°	84°	83°	'

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'	7 °	8°	9°	10°	11°	12°	13°	'
0 1 2 3 4 5	1:0075098 1:0075459 1:0075820 1:0076182 1:0076545 1:0076908	1:0098276 1:0098689 1:0099103 1:0099518 1:0099934 1:0100351	1·0124651 1·0125118 1·0125586 1·0126055 1·0126524 1·0126995	1.0154266 1.0154787 1.0155310 1.0155833 1.0156357 1.0156882	1.0187167 1.0187743 1.0188321 1.0188899 1.0189478 1.0190059	1·0223406 1·0224039 1·0224672 1·0225307 1·0225942 1·0226578	1 0263041 1 0263731 1 0264421 1 0265113 1 0265806 1 0266499	59 58 57 56 55
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28 1·0327451 1·0376755 1·0427694 1·0483307 1·0542873 1·0506304 1·067397 1·06739323227 1·0766855 1·0428591 1·0484330 1·0548397 1·067097 1·067393 1·0377422 1·042489 1·0485291 1·0544923 1·06068487 1·067693 1·0329003 1·0377422 1·042489 1·0485291 1·0544923 1·06068487 1·067607 1·067393 1·0379098 1·0431289 1·0487217 1·0546978 1·0606808 1·067733 1·0330559 1·0379098 1·0431289 1·0487217 1·0546978 1·0610770 1·067343 1·0331339 1·0379098 1·0432190 1·0485181 1·0549037 1·0611770 1·067637 1·0322901 1·0381021 1·0433092 1·0489146 1·0549037 1·0611770 1·06807 1·0611735 1·0332901 1·0381021 1·0433092 1·0499113 1·0550008 1·0613965 1·06819 1·06333633 1·0332633 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0383603 1·0385464 1·033522 1·0436712 1·0493019 1·0552140 1·061266 1·068842 1·038603 1·0385644 1·038524 1·0436712 1·0493019 1·0552140 1·0613667 1·068844 1·0386033 1·0385444 1·0435023 1·0449961 1·0552404 1·0613667 1·068844 1·0386033 1·0385444 1·0438523 1·0449961 1·0555240 1·0613867 1·068844 1·0336033 1·038544 1·0435023 1·0449361 1·0555241 1·0619471 1·068774 1·068774 1·068774 1·068774 1·0687474 1·0687474 1·0687474 1·0687474 1·0687474 1·0687474 1·0687474 1·0687474 1·0687474 1·044001 1·044001 1·050815 1·056485 1·062299 1·062395 1·069364 1·0648540 1·034563 1·0390645 1·0446936 1·0506752 1·0566718 1·066936 1·069364 1·0446761 1·0506776 1·0566778 1·069363 1·069365 1·0446761 1·0506776 1·0566778 1·063936 1·069365 1·0446761 1·0506776 1·0566778 1·063936 1·0766776 1·034638 1·0396045 1·0446761 1·0506776 1·0566778 1·063936 1·0766776 1·034738 1·0396695 1·0445891 1·0506779 1·0566778 1·063936 1·07666 1·034		1.0326676							34 33
29		1.0327451						1.0673774	32
31 1 0329781 1 0378260 1 0430388 1 0486253 1 0545950 1 060580 1 067721 32 1 0330559 1 0379998 1 0431289 1 0487217 1 0546978 1 0610675 1 067353 33 1 0333339 1 0379998 1 0432190 1 0488181 1 0549097 1 061170 1 067353 34 1 0332119 1 0380779 1 0433995 1 0490113 1 0550068 1 0613965 1 068196 35 1 033263 1 0382463 1 0434900 1 0491080 1 0550068 1 0615064 1 068393 36 1 0333663 1 0382463 1 0434900 1 0491080 1 0551010 1 0615064 1 068393 37 1 0334467 1 0383307 1 0436712 1 0499019 1 0552144 1 0616164 1 06842 38 1 0335031 1 0384981 1 0436712 1 0493901 1 0552144 1 0616164 1 06842 40 1 0336823 1 0385844 1 04393437 1 0495934 1 0556214 1 0619471 1 06867 <t< td=""><td></td><td>1.0328227</td><td>1.0376585</td><td>1.0428591</td><td>1.0484330</td><td>1.0543897</td><td>1.0607395</td><td>1.0674933</td><td>31</td></t<>		1.0328227	1.0376585	1.0428591	1.0484330	1.0543897	1.0607395	1.0674933	31
1-0330559 1-0379098 1-0431289 1-0437217 1-0546978 1-0610675 1-06753 1-0331339 1-0379098 1-0432190 1-0438181 1-0548097 1-0611770 1-06753 1-0332191 1-0380779 1-0433092 1-0488181 1-0548097 1-0612867 1-068073 1-0332901 1-0381621 1-0433092 1-0489146 1-0549037 1-0612867 1-068073 1-03328901 1-0381621 1-0433095 1-0490113 1-0550068 1-0613865 1-068183 1-0333638 1-0383637 1-0438905 1-0499049 1-0555134 1-0616044 1-068323 1-0335261 1-0384908 1-0435712 1-0499049 1-0555144 1-0616044 1-068423 1-0336037 1-0384998 1-0437619 1-0499399 1-0553169 1-0617265 1-068543 1-0336037 1-0384998 1-0437619 1-0498999 1-0555241 1-0619471 1-06877 1-0336323 1-0385934 1-0435825 1-0494961 1-0555241 1-0619471 1-06877 1-0336323 1-0386692 1-04394347 1-0495934 1-0556279 1-0620575 1-068934 1-03363839 1-0383939 1-0441259 1-0498959 1-0558368 1-0622788 1-069244 1-0339079 1-0389242 1-0442172 1-0498856 1-0556381 1-0622788 1-069244 1-0339079 1-0339044 1-0442172 1-0498856 1-0556381 1-0622788 1-069244 1-0349368 1-0339180 1-0444918 1-0500815 1-0560441 1-0625005 1-069364 1-03445743 1-0393685 1-0444518 1-0500774 1-0563575 1-0628115 1-069414 1-0343536 1-033180 1-0444017 1-0500774 1-0563575 1-0628115 1-069414 1-0344743 1-0394586 1-0446918 1-0500774 1-05663575 1-0628139 1-069714 1-0346383 1-0394681 1-0446767 1-0506760 1-0567768 1-0632801 1-070716 1-0346783 1-036684 1-070776 1-0346388 1-0396085 1-0445831 1-0506706 1-0567768 1-0632801 1-070176 1-0346784 1-0346784 1-0346784 1-0360699 1-0456080 1-0456080 1-056666 1-0571078 1-063638 1-070666 1-0347988 1-0396085 1-0456988 1-056666 1-0571078 1-063638 1-070666 1-0347988 1-0396963 1-0456988 1-056666 1-0571078 1-063638 1-070666 1-0347988 1-0396096 1-0456988 1-056666 1-0571078 1-066652 1	30					1.0544923	1.0608487	1.0676094	30
33 1 0331339 10379938 10432190 10481811 10548007 10611770 1061277 1068075 34 10332119 10380779 10483092 10480161 10549037 1061267 1068075 1068075 1068075 10681965 10681965 10681965 1068196 36 10333683 10382463 10438905 10490103 10551101 10615064 1068397 10383467 10383307 10435051 10492049 10552144 10616164 106832 32 10335251 103834152 10435015 10499391 10552140 10613267 106854 106854 10633623 10384152 10437619 10493989 10552404 10613867 106854 104083623 10385684 10437619 10493989 10552404 10613867 106857 106857 41 10337611 10386692 10439437 104959834 10557318 10620675 1068934 10557318 10620675 1068934 10557318 10621611 1069011 1044001 10497835 1055731								1.0677255	29
1-0332119								1.0678418	28
35									27 26
37								1.0681914	25
1-0334467	36	1:0333683	1.0382463	1 0434900	1.0491080	1:0551101	1:0615064	1:0683081	24
38								1.0684250	23
40		1.0335251				1.0553169	1.0617265	1.0685420	22
41								1.0686591	21
42 1-03838399 1-0387541 1-0440848 1-0490908 1-0557318 1-0621681 1-069021 43 1-0339188 1-0388391 1-0441259 1-0497883 1-0559389 1-0623896 1-069124 44 1-0339979 1-03890942 1-0442172 1-0498850 1-0559399 1-0623896 1-06924 46 1-0340770 1-03900947 1-0444001 1-0500815 1-0560481 1-0626055 1-06948 47 1-0342356 1-0391850 1-0444917 1-0501794 1-0502529 1-062727 1-06900 48 1-03493161 1-0392655 1-0444531 1-0502774 1-0563575 1-0628339 1-06973 49 1-0349346 1-0393611 1-0446751 1-0504738 1-0566569 1-0630568 1-06995 50 1-0345740 1-0395226 1-044670 1-0504738 1-0566609 1-0630588 1-06995 51 1-03465340 1-0395226 1-0445890 1-0567762 1-0566718 1-0631684 1-07007 <	1								20
43 1-0339188 1-03889391 1-0441259 1-0498350 1-0558368 1-0622788 1-06924 44 1-0339979 1-0389242 1-0442172 1-0498360 1-05604041 1-0625005 1-06924 45 1-0340770 1-0390094 1-0443086 1-0499836 1-0560441 1-0625005 1-06936 46 1-0341563 1-0390907 1-044401 1-0501794 1-0562599 1-0627229 1-0626299 1-0627229 1-069060 47 1-0342356 1-0391800 1-0444017 1-0501794 1-0563575 1-0626115 1-06904 48 1-0343151 1-0392655 1-0446751 1-0503756 1-0563575 1-0628339 1-069714 49 1-0345443 1-0394581 1-0446751 1-0503756 1-056621 1-0629453 1-069956 51 1-0345540 1-0395226 1-0448590 1-0505722 1-0566718 1-063684 1-07007 52 1-03497188 1-0396045 1-0450433 1-0507762 1-056877 1-06									19
44 1-0339979 1-0389242 1-0442172 1-0498850 1-0559399 1-0628366 1-069364 45 1-0340770 1-0390094 1-0443086 1-0490836 1-0560441 1-0625005 1-069364 46 1-0341563 1-0390947 1-0444001 1-0500815 1-0561485 1-062615 1-069365 47 1-0342356 1-0391800 1-0444601 1-0500815 1-0562529 1-0627227 1-069081 48 1-0343151 1-0392655 1-0445839 1-0503755 1-0563755 1-0628455 1-069719 49 1-0349346 1-0393611 1-0446751 1-0503756 1-0564621 1-0629453 1-06935 50 1-0345540 1-0395226 1-0448590 1-0503738 1-056669 1-0632801 1-07007 52 1-0346388 1-0396945 1-0446311 1-0506708 1-0566778 1-0632801 1-07007 52 1-0347138 1-0396945 1-045037 1-0506708 1-0566778 1-0632801 1-07019									18
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$								1.0692463	16
47	45		1.0390094	1.0443086	1.0499836	1.0560441		1.0693641	15
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	46	1.0341563						1.0694820	14
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1.0342356	1.0391800	1.0444917	1.0501794	1.0562529	1.0627227	1.0696000	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								1.0697182	12
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1.0347938			1.0508679			1.0704295	6
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59 1.0851955 1.0402127 1.0455988 1.0513629 1.0575148 1.0640652 1.07102 60 1.0352762 1.0402994 1.0456918 1.0514622 1.0576207 1.0641778 1.07114									3 2
60 1.0352762 1.0402994 1.0456918 1.0514622 1.0576207 1.0641778 1.07114								1.0710254	1 1
, 75° 74° 73° 72° 71° 70° 69°								1.0711450	ō
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,	21°	22°	23°	24°	25°	26°	27°	,
0	1:0711450	1 0785347	1 0863604	1.0946363	1·1033779	1·1126019	1·1223262	60
1	1:0712647	1 0786616	1 0864946	1.0947781	1·1035277	1·1127599	1·1224927	59
2	1:0713844	1 0787885	1 0866289	1.0949201	1·1036775	1·1129179	1·1226592	58
3	1:0715043	1 0789156	1 0867634	1.0950622	1·1038275	1·1130761	1·1228259	57
4	1:0716244	1 0790427	1 0868979	1.0952044	1·1039777	1·1132345	1·1229928	56
5	1:0717445	1 0791700	1 0870326	1.0953467	1·1041279	1·1133929	1·1231598	55
6	1.0718647	1.0792975	1.0871675	1.0954892	1·1042783	1·1135516	1·1233269	54
7	1.0719851	1.0794250	1.0873024	1.0956318	1·1044289	1·1137103	1·1234942	53
8	1.0721056	1.0795527	1.0874375	1.0957746	1·1045795	1·1138692	1·1236616	52
9	1.0722262	1.0796805	1.0875727	1.0959174	1·1047303	1·1140282	1·1238292	51
10	1.0723469	1.0798084	1.0877080	1.0960604	1·1048813	1·1141874	1·1239969	50
11	1.0724678	1.0799364	1.0878435	1.0962036	1·1050324	1·1143467	1·1241648	49
12	1.0725887	1.0800646	1.0879791	1.0963468	1·1051836	1·1145062	1·1243328	48
13	1.0727098	1.0801928	1.0881148	1.0964902	1·1053349	1·1146658	1·1245010	47
14	1.0728310	1.0803212	1.0882506	1.0966337	1·1054864	1·1148255	1·1246693	46
15	1.0729523	1.0804497	1.0883866	1.0967774	1·1056380	1·1149854	1·1248377	45
16	1.0730737	1.0805784	1.0885226	1.0969212	1·1057898	1·1151454	1·1250063	44
17	1.0731953	1.0807071	1.0886589	1.0970651	1·1059417	1·1153056	1·1251750	43
18	1.0733170	1.0808360	1.0887952	1.0972091	1·1060937	1·1154659	1·1253439	42
19	1.0734388	1.0809650	1.0889317	1.0973533	1·1062458	1·1156263	1·1255130	41
20	1.0735607	1.0810942	1.0890682	1.0974976	1·1063981	1·1157869	1·1256821	40
21	1.0736827	1.0812234	1.0892050	1.0976420	1·1065506	1·1159476	1·1258514	39
22	1.0738048	1.0813528	1.0893418	1.0977866	1·1067031	1·1161084	1·1260209	38
23	1.0739271	1.0814823	1.0894788	1.0979313	1·1068558	1·1162694	1·1261905	37
24	1.0740495	1.0816119	1.0896159	1.0980761	1·1070087	1·1164306	1·1263603	36
25	1.0741720	1.0817417	1.0897531	1.0982211	1·1071616	1·1165919	1·1265302	35
26	1.0742946	1.0818715	1.0898904	1·0983662	1·1073147	1·1167533	1·1267003	34
27	1.0744173	1.0820015	1.0900279	1·0985114	1·1074680	1·1169148	1·1268705	33
28	1.0745402	1.0821316	1.0901655	1·0986568	1·1076214	1·1170766	1·1270408	32
29	1.0746631	1.0822618	1.0903032	1·0988023	1·1077749	1·1172384	1·1272113	31
30	1.0747862	1.0823922	1.0904411	1·0989479	1·1079285	1·1174004	1·1273819	30
31	1.0749095	1.0825227	1.0905791	1·0990936	1·1080823	1·1175625	1·1275527	29
32	1.0750328	1.0826533	1.0907172	1·0992395	1·1082363	1·1177248	1·1277237	28
33	1.0751562	1.0827840	1.0908554	1·0993855	1·1083903	1·1178872	1·1278948	27
34	1.0752798	1.0829149	1.0909938	1·0995317	1·1085445	1·1180498	1·1280660	26
35	1.0754035	1.0830458	1.0911323	1·0996779	1·1086989	1·1182124	1·1282374	25
36	1.0755273	1.0831769	1.0912709	1.0998243	1·1088533	1·1183753	1·1284089	24
37	1.0756512	1.0833081	1.0914097	1.0999709	1·1090079	1·1185383	1·1285806	23
38	1.0757753	1.0834395	1.0915485	1.1001175	1·1091627	1·1187014	1·1287524	22
39	1.0758995	1.0835709	1.0916876	1.1002644	1·1093176	1·1188647	1·1289244	21
40	1.0760237	1.0837025	1.0918267	1.1004113	1·1094726	1·1190281	1·1290965	20
41	1.0761481	1.0838342	1.0919659	1·1005584	1·1096277	1·1191916	1·1292687	19
42	1.0762727	1.0839661	1.0921053	1·1007056	1·1097830	1·1193553	1·1294412	18
43	1.0763973	1.0840980	1.0922448	1·1008529	1·1099385	1·1195191	1·1296137	17
44	1.0765221	1.0842301	1.0923845	1·1010004	1·1100940	1·1196831	1·1297864	16
45	1.0766470	1.0843623	1.0925243	1·1011480	1·1102498	1·1198472	1·1299593	15
46	1.0767720	1.0844947	1.0926642	1·1012957	1·1104056	1·1200115	1.1301323	14
47	1.0768971	1.0846271	1.0928042	1·1014436	1·1105616	1·1201759	1.1303055	13
48	1.0770224	1.0847597	1.0929444	1·1015916	1·1107177	1·1203405	1.1304788	12
49	1.0771477	1.0848924	1.0930846	1·1017397	1·1108740	1·1205051	1.1306522	11
50	1.0772732	1.0850252	1.0932251	1·1018879	1·1110304	1·1206700	1.1308258	10
51	1.0773988	1.0851582	1.0933656	1·1020363	1·1111869	1·1208350	1·1309996	9
52	1.0775246	1.0852913	1.0935063	1·1021849	1·1113436	1·1210001	1·1311735	8
53	1.0776504	1.0854245	1.0936471	1·1023335	1·1115004	1·1211653	1·1313475	7
54	1.077764	1.0855578	1.0937880	1·1024823	1·1116573	1·1213308	1·1315217	6
55	1.0779025	1.0856912	1.0939291	1·1026313	1·1118144	1·1214963	1·1316961	5
56 57 58 59 60	1.0780287 1.0781550 1.0782815 1.0784080 1.0785347	1.0858248 1.0859585 1.0860924 1.0862263 1.0863604	1.0940702 1.0942116 1.0943530 1.0944946 1.0946363	1·1027803 1·1029295 1·1030789 1·1032283 1·1033779	1·1119716 1·1121290 1·1122865 1·1124442 1·1126019	1·1216620 1·1218278 1·1219938 1·1221600 1·1223262	1·1318706 1·1320452 1·1322200 1·1323950 1·1325701	3 2 1 0
1	68°	67°	66°	65°	64°	63°	62°	1

,	28°	29°	30°	31°	32°	33°	34°	,
0	1·1325701	1·1433541	1·1547005	1·1666334	1·1791784	1·1923633	1·2062179	60
1	1·1327453	1·1435385	1·1548945	1·1668374	1·1793928	1·1925886	1·2064547	59
2	1·1329207	1·1437231	1·1550887	1·1670416	1·1796074	1·1928142	1·2066917	58
3	1·1330962	1·1439078	1·1552830	1·1672459	1·1798222	1·1930399	1·2069288	57
4	1·1332719	1·1440927	1·1554775	1·1674504	1·1800372	1·1932658	1·2071662	56
5	1·1334478	1·1442778	1·1556722	1·1676551	1·1802523	1·1934918	1·2074037	55
6	1·1336238	1·1444630	1·1558670	1·1678599	1·1804676	1·1937181	1·2076415	54
7	1·1337999	1·1446484	1·1560620	1·1680649	1·1806831	1·1939446	1·2078794	58
8	1·1339762	1·1448339	1·1562572	1·1682701	1·1808988	1·1941712	1·2081175	52
9	1·1341527	1·1450196	1·1564525	1·1684755	1·1811146	1·1943980	1·2083559	51
10	1·1343293	1·1452055	1·1566480	1·1686810	1·1813307	1·1946251	1·2085944	50
11	1·1345060	1·1453915	1·1568436	1·1688867	1·1815469	1·1948523	1·2088331	49
12	1·1346829	1·1455776	1·1570394	1·1690926	1·1817633	1·1950796	1·2090720	48
13	1·1348600	1·1457639	1·1572354	1·1692986	1·1819798	1·1953072	1·2093112	47
14	1·1350372	1·1459504	1·1574315	1·1695048	1·1821966	1·1955350	1·2095505	46
15	1·1352146	1·1461371	1·1576278	1·1697112	1·1824135	1·1957629	1·2097900	45
16	1·1353921	1·1463238	1·1578243	1·1699178	1·1826306	1·1959911	1·2100297	44
17	1·1355697	1·1465108	1·1580209	1·1701245	1·1828479	1·1962194	1·2102696	43
18	1·1357476	1·1466979	1·1582177	1·1703314	1·1830654	1·1964479	1·2105097	42
19	1·1359255	1·1468852	1·1584146	1·1705385	1·1832830	1·1966767	1·2107500	41
20	1·1361036	1·1470726	1·1586118	1·1707457	1·1835008	1·1969056	1·2109905	40
21	1·1362819	1·1472602	1·1588091	1·1709531	1·1837188	1·1971346	1·2112312	39
22	1·1364603	1·1474479	1·1590065	1·1711607	1·1839370	1·1973639	1·2114721	38
23	1·1366389	1·1476358	1·1592041	1·1713685	1·1841554	1·1975934	1·2117132	37
24	1·1368176	1·1478239	1·1594019	1·1715764	1·1843739	1·1978230	1·2119545	36
25	1·1369965	1·1480121	1·1595999	1·1717845	1·1845927	1·1980529	1·2121960	35
26	1·1371755	1·1482005	1·1597980	1·1719928	1·1848116	1·1982829	1.2124377	34
27	1·1373547	1·1483890	1·1599963	1·1722013	1·1850307	1·1985131	1.2126795	33
28	1·1375341	1·1485777	1·1601947	1·1724099	1·1852500	1·1987435	1.2129216	32
29	1·1377135	1·1487665	1·1603933	1·1726187	1·1854694	1·1989741	1.2131639	31
30	1·1378932	1·1489555	1·1605921	1·1728277	1·1856890	1·1992049	1.2134064	30
31	1·1380730	1·1491447	1·1607911	1·1730368	1·1859089	1·1994359	1·2136491	29
32	1·1382529	1·1493340	1·1609902	1·1732462	1·1861289	1·1996671	1·2138920	28
33	1·1384330	1·1495235	1·1611894	1·1734557	1·1863490	1·1998985	1·2141351	27
34	1·1386133	1·1497132	1·1613889	1·1736653	1·1865694	1·2001300	1·2143784	26
35	1·1387937	1·1499030	1·1615885	1·1738752	1·1867900	1·2003618	1·2146218	25
36	1·1389742	1·1500930	1·1617883	1·1740852	1·1870107	1·2005937	1·2148655	24
37	1·1391550	1·1502831	1·1619882	1·1742954	1·1872316	1·2008258	1·2151094	23
38	1·1393358	1·1504734	1·1621883	1·1745058	1·1874527	1·2010582	1·2153535	22
39	1·1395169	1·1506638	1·1623886	1·1747163	1·1876740	1·2012907	1·2155978	21
40	1·1396980	1·1508544	1·1625891	1·1749270	1·1878954	1·2015234	1·2158423	20
41	1·1398794	1·1510452	1·1627897	1·1751379	1·1881171	1·2017563	1·2160870	19
42	1·1400608	1·1512361	1·1629905	1·1753490	1·1883389	1·2019894	1·2163319	18
43	1·1402425	1·1514272	1·1631914	1·1755603	1·1885609	1·2022226	1·2165770	17
44	1·1404243	1·1516185	1·1633925	1·1757717	1·1887831	1·2024561	1·2168223	16
45	1·1406062	1·1518099	1·1635938	1·1759833	1·1890055	1·2026898	1·2170678	15
46	1·1407883	1·1520015	1·1637953	1·1761951	1·1892280	1·2029236	1·2173135	14
47	1·1409706	1·1521932	1·1639969	1·1764070	1·1894508	1·2031577	1·2175594	13
48	1·1411530	1·1523851	1·1641987	1·1766191	1·1896737	1·2033919	1·2178055	12
49	1·1418356	1·1525772	1·1644007	1·1768314	1·1898968	1·2036264	1·2180518	11
50	1·1415183	1·1527694	1·1646028	1·1770439	1·1901201	1·2038610	1·2182983	10
51	1·1417012	1·1529618	1·1648051	1·1772566	1·1903436	1·2040958	1·2185450	9
52	1·1418842	1·1531543	1·1650076	1·1774694	1·1905673	1·2043308	1·2187919	8
53	1·1420674	1·1533470	1·1652102	1·1776824	1·1907911	1·2045660	1·2190390	7
54	1·1422507	1·1535399	1·1654130	1·1778956	1·1910152	1·2048014	1·2192864	6
55	1·1424342	1·1537329	1·1656160	1·1781089	1·1912394	1·2050370	1·2195339	5
56	1·1426179	1·1539261	1·1658191	1·1783225	1·1914638	1·2052728	1·2197816	4
57	1·1428017	1·1541195	1·1660224	1·1785362	1·1916884	1·2055088	1·2200296	3
58	1·1429857	1·1543130	1·1662259	1·1787501	1·1919132	1·2057450	1·2202777	2
59	1·1431698	1·1545067	1·1664296	1·1789642	1·1921381	1·2059814	1·2205260	1
60	1·1433541	1·1547005	1·1666334	1·1791784	1·1923633	1·2062179	1·2207746	0
'	61°	60°	59°	58°	57°	56°	55°	'

,	35°	36°	3 7 °	38°	39°	40°	41°	,
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1	1·2210233	1·2363293	1 ·2524102	1·2693067	1·2870628	1·3057261	1·3253482	59
2	1·2212723	1·2365909	1 ·2526850	1·2695955	1·2873663	1·3060451	1·3256837	58
3	1·2215215	1·2368526	1 ·2529601	1·2698845	1·2876700	1·3063644	1·3260194	57
4	1·2217708	1·2371146	1 ·2532353	1·2701737	1·2879740	1·3066839	1·3263554	56
5	1·2220204	1·2373768	1 ·2535108	1·2704632	1·2882782	1·3070038	1·3266918	55
6	1·2222702	1·2376393	1·2537865	1·2707529	1 ·2885827	1:3073239	1·3270284	54
7	1·2225202	1·2379019	1·2540625	1·2710429	1 ·2888875	1:3076442	1·3273653	53
8	1·2227703	1·2381647	1·2543387	1·2713331	1 ·2891925	1:3079649	1·3277024	52
9	1·2230207	1·2384278	1·2546151	1·2716235	1 ·2894977	1:3082858	1·3280399	51
10	1·2232713	1·2386911	1·2548917	1·2719142	1 ·2898032	1:3086069	1·3283776	50
11	1·2235222	1·2389546	1·2551685	1·2722052	1·2901090	1:3089284	1·3287156	49
12	1·2237732	1·2392183	1·2554456	1·2724963	1·2904150	1:3092501	1·3290539	48
13	1·2240244	1·2394823	1·2557229	1·2727877	1·2907213	1:3095720	1·3293925	47
14	1·2242758	1·2397464	1·2560005	1·2730794	1·2910278	1:3098943	1·3297314	46
15	1·2245274	1·2400108	1·2562782	1·2733712	1·2913346	1:3102168	1·3300706	45
16	1·2247793	1·2402754	1.2565562	1·2736634	1·2916416	1·3105396	1·3304100	44
17	1·2250313	1·2405402	1.2568345	1·2739557	1·2919489	1·3108626	1·3307497	43
18	1·2252836	1·2408052	1.2571129	1·2742484	1·2922564	1·3111860	1·3310897	42
19	1·2255361	1·2410704	1.2573916	1·2745412	1·2925642	1·3115095	1·3314301	41
20	1·2257887	1·2413359	1.2576705	1·2748343	1·2928723	1·3118334	1·3317707	40
21	1.2260416	1·2416016	1·2579497	1·2751276	1·2931806	1·3121575	1·3321115	39
22	1.2262947	1·2418675	1·2582291	1·2754212	1·2934892	1·3124820	1·3324527	38
23	1.2265480	1·2421336	1·2585087	1·2757151	1·2937980	1·3128066	1·3327942	37
24	1.2268015	1·2423999	1·2587885	1·2760091	1·2941071	1·3131316	1·3331359	36
25	1.2270552	1·2426665	1·2590686	1·2763034	1·2944164	1·3134568	1·3334779	35
26	1·2273091	1·2429333	1·2593489	1.2765980	1·2947260	1·3137823	1·3338203	34
27	1·2275633	1·2432003	1·2596294	1.2768928	1·2950359	1·3141081	1·3341629	33
28	1·2278176	1·2434675	1·2599102	1.2771878	1·2953460	1·3144341	1·3345058	32
29	1·2280722	1·2437349	1·2601912	1.2774831	1·2956564	1·3147604	1·3348489	31
30	1·2283269	1·2440026	1·2604724	1.2777787	1·2959670	1·3150870	1·3351924	30
31	1·2285819	1·2442704	1.2607539	1·2780744	1·2962779	1 3154139	1:3355362	29
32	1·2288371	1·2445385	1.2610356	1·2783705	1·2965890	1 3157410	1:3358802	28
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35	1·2296039	1·2453442	1.2618820	1·2792600	1·2975240	1 3167240	1:3369141	25
36	1·2298599	1·2456131	1·2621647	1·2795570	1·2978362	1·3170523	1.3372594	24
37	1·2301161	1·2458823	1·2624475	1·2798543	1·2981487	1·3173808	1.3376049	23
38	1·2303725	1·2461518	1·2627306	1·2801518	1·2984614	1·3177096	1.3379507	22
39	1·2306292	1·2464214	1·2630140	1·2804495	1·2987743	1·3180386	1.3382968	21
40	1·2308861	1·2466913	1·2632975	1·2807475	1·2990876	1·3183680	1.3386432	20
41	1·2311432	1.2469614	1·2635813	1·2810457	1·2994011	1·3186976	1.3389898	19
42	1·2314004	1.2472317	1·2638653	1·2813442	1·2997148	1·3190274	1.3393368	18
43	1·2316579	1.2475022	1·2641496	1·2816430	1·3000288	1·3193576	1.3396841	17
44	1·2319156	1.2477730	1·2644341	1·2819419	1·3003431	1·3196881	1.3400316	16
45	1·2321736	1.2480440	1·2647188	1·2822412	1·3006576	1·3200188	1.3403795	15
46	1·2324317	1·2483152	1·2650038	1·2825407	1:3009724	1·3203498	1·3407276	14
47	1·2326900	1·2485866	1·2652890	1·2828404	1:3012875	1·3206810	1·3410761	13
48	1·2329486	1·2488583	1·2655745	1·2831404	1:3016028	1·3210126	1·3414248	12
49	1·2332074	1·2491302	1·2658601	1·2834406	1:3019184	1·3213444	1·3447738	11
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51	1·2337256	1·2496746	1·2664322	1·2840418	1:3025504	1·3220089	1·3424728	9
52	1·2339850	1·2499471	1·2667186	1·2843428	1:3028667	1·3223416	1·3428227	8
53	1·2342446	1·2502199	1·2670052	1·2846440	1:3031834	1·3226745	1·3431729	7
54	1·2345044	1·2504929	1·2672921	1·2849455	1:3035003	1·3230078	1·3435234	6
55	1·2347645	1·2507661	1·2675792	1·2852472	1:3038175	1·3233413	1·3438742	5
56	1·2350248	1·2510396	1·2678665	1·2855492	1·3041349	1·3236750	1·3442253	4
57	1·2352852	1·2513133	1·2681541	1·2858514	1·3044526	1·3240091	1·3445767	3
58	1·2355459	1·2515872	1·2684419	1·2861539	1·3047706	1·3243435	1·3449284	2
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1	54°	53°	52°	51°	50°	49°	48°	1
1	1							1

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,	42°	43°	44°	45°	46°	47°	48°	'
0 1 2 3 4 5	1·3456327 1·3459853 1·3463382 1·3466914 1·3470449 1·3473987	1·3673275 1·3676985 1·3680699 1·3684416 1·3688136 1·3691859	1·3901636 1·3905543 1·3909453 1·3913366 1·3917283 1·3921203	1.4142136 1.4146251 1.4150370 1.4154493 1.4158619 1.4162749	1·4395565 1·4399904 1·4404246 1·4408592 1·4412941 1·4417295	1·4662792 1·4667368 1·4671948 1·4676532 1·4681120 1·4685713	1·4944765 1·4949596 1·4954431 1·4959270 1·4964113 1·4968961	58 58 57 56 58
6 7 8 9	1·3477528 1·3481072 1·3484619 1·3488168 1·3491721	1·3695586 1·3699315 1·3703048 1·3706784 1·3710523	1·3925127 1·3929054 1·3932985 1·3936918 1·3940856	1.4166883 1.4171020 1.4175161 1.4179306 1.4183454	1·4421652 1·4426013 1·4430379 1·4434748 1·4439120	1:4690309 1:4694910 1:4699514 1:4704123 1:4708736	1:4973813 1:4978670 1:4983531 1:4988397 1:4993267	54 53 53 51 51
11 12 13 14 15	1 · 3495277 1 · 3498836 1 · 3502398 1 · 3505963 1 · 3509531	1·3714266 1·3718011 1·3721760 1·3725512 1·3729268	1:3944796 1:3948740 1:3952688 1:3956639 1:3960593	1·4187605 1·4191761 1·4195920 1·4200082 1·4204248	1·4443497 1·4447878 1·4452262 1·4456651 1·4461043	1:4713354 1:4717975 1:4722600 1:4727230 1:4731864	1·4998141 1·5003020 1·5007903 1·5012791 1·5017683	49 49 49 49 49
16 17 18 19 20	1·3513102 1·3516677 1·3520254 1·3523834 1·3527417	1·3733026 1·3736788 1·3740553 1·3744321 1·3748092	1:3964551 1:3968512 1:3972477 1:3976445 1:3980416	1·4208418 1·4212592 1·4216769 1·4220950 1·4225134	1·4465439 1·4469839 1·4474243 1·4478651 1·4483063	1·4736502 1·4741144 1·4745790 1·4750440 1·4755095	1:5022580 1:5027481 1:5032387 1:5037297 1:5042211	4: 4: 4: 4:
21 22 23 24 25	1·3531003 1·3534593 1·3538185 1·3541780 1·3545379	1·3751867 1·3755645 1·3759426 1·3763210 1·3766998	1:3984391 1:3988369 1:3992351 1:3996336 1:4000325	1·4229323 1·4233514 1·4237710 1·4241909 1·4246112	1·4487478 1·4491898 1·4496322 1·4500749 1·4505181	1:4759754 1:4764417 1:4769084 1:4773755 1:4778431	1.5047131 1.5052054 1.5056982 1.5061915 1.5066852	39 30 30 31
26 27 28 29 30	1.3548980 1.3552585 1.3556193 1.3559803 1.3563417	1·3770789 1·3774583 1·3778380 1·3782181 1·3785985	1·4004317 1·4008313 1·4012312 1·4016315 1·4020321	1·4250319 1·4254529 1·4258743 1·4262961 1·4267182	1·4509616 1·4514055 1·4518498 1·4522946 1·4527397	1·4783111 1·4787795 1·4792483 1·4797176 1·4801872	1·5071793 1·5076739 1·5081690 1·5086645 1·5091605	3: 3: 3: 3:
31 32 33 34 35	1:3567034 1:3570654 1:3574277 1:3577903 1:3581532	1·3789792 1·3793602 1·3797416 -1·3801233 1·3805053	1:4024330 1:4028343 1:4032360 1:4036380 1:4040403	1·4271407 1·4275636 1·4279868 1·4284105 1·4288345	1.4531852 1.4536311 1.4540774 1.4545241 1.4549712	1·4806573 1·4811278 1·4815988 1·4820702 1·4825420	1.5096569 1.5101538 1.5106511 1.5111489 1.5116472	2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2
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51 52 53 54 55	1.3640022 1.3643704 1.3647389 1.3651078 1.3654770	1·3866626 1·3870503 1·3874383 1·3878266 1·3882153	1·4105257 1·4109340 1·4113427 1·4117517 1·4121612	1·4356693 1·4360997 1·4365305 1·4369616 1·4373932	1·4621792 1·4626331 1·4630875 1·4635422 1·4639973	1·4901489 1·4906280 1·4911076 1·4915876 1·4920680	1·5196815 1·5201876 1·5206942 1·5212012 1·5217087	
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,	47°	46°	45°	. 44°	43°	42°	41°	

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,	49°	50°	51°	52°	53°	54 °	55°	,
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2	1·5252741	1.5568035	1.5901584	1·6254799	1.6629243	1·7026653	1·7448969	58
3	1·5257854	1.5573441	1.5907306	1·6260861	1.6635673	1·7033482	1·7456230	57
4	1·5262971	1.5578852	1.5913033	1·6266929	1.6642110	1·7040318	1·7463499	56
5	1·5268093	1.5584268	1.5918766	1·6273003	1.6648553	1·7047160	1·7470776	55
6	1.5273219	1.5589689	1·5924504	1.6279083	1.6655002	1.7054010	1.7478060	54
7	1.5278351	1.5595115	1·5930247	1.6285169	1.6661458	1.7060867	1.7485352	53
8	1.5283487	1.5600546	1·5935996	1.6291261	1.6667920	1.7067730	1.7492651	52
9	1.5288627	1.5605982	1·5941751	1.6297359	1.6674389	1.7074601	1.7499958	51
10	1.5293773	1.5611424	1·5947511	1.6303462	1.6680864	1.7081478	1.7507273	50
11	1·5298923	1.5616871	1·5953276	1.6309572	1.6687345	1.7088362	1.7514595	49
12	1·5304078	1.5622322	1·5959048	1.6315688	1.6693833	1.7095254	1.7521924	48
13	1·5309238	1.5627779	1·5964824	1.6321809	1.6700328	1.7102152	1.7529262	47
14	1·5314403	1.5633241	1·5970606	1.6327937	1.6706828	1.7109058	1.7536607	46
15	1·5319572	1.5638708	1·5976394	1.6334070	1.6713336	1.7115970	1.7543959	45
16	1:5324746	1:5644181	1.5982187	1.6340210	1.6719850	1.7122890	1.7551320	44
17	1:5329925	1:5649658	1.5987986	1.6346355	1.6726370	1.7129817	1.7558687	43
18	1:5335109	1:5655141	1.5993790	1.6352507	1.6732897	1.7136750	1.7566063	42
19	1:5340297	1:5660628	1.5999600	1.6358664	1.6739430	1.7143691	1.7573446	41
20	1:5345491	1:5666121	1.6005416	1.6364828	1.6745970	1.7150639	1.7580837	40
21	1.5350689	1.5671619	1.6011237	1.6370997	1.6752517	1.7157594	1.7588236	39
22	1.5355892	1.5677123	1.6017064	1.6377173	1.6759070	1.7164556	1.7595642	38
23	1.5361100	1.5682631	1.6022896	1.6383355	1.6765629	1.7171525	1.7603057	37
24	1.5366313	1.5688145	1.6028734	1.6389542	1.6772195	1.7178501	1.7610478	36
25	1.5371530	1.5693664	1.6034577	1.6395736	1.6778768	1.7185484	1.7617908	35
26	1·5376752	1.5699188	1.6040426	1·6401936	1.6785347	1·7192475	1.7625345	34
27	1·5381980	1.5704717	1.6046281	1·6408142	1.6791933	1·7199472	1.7632791	33
28	1·5387212	1.5710252	1.6052142	1·6414354	1.6798525	1·7206477	1.7640244	32
29	1·5392449	1.5715792	1.6058008	1·6420572	1.6805124	1·7213489	1.7647704	31
30	1·5397690	1.5721337	1.6063879	1·6426796	1.6811730	1·7220508	1.7655173	30
31	1·5402937	1·5726887	1.6069757	1.6433027	1.6818342	1·7227534	1.7662649	29
32	1·5408189	1·5732443	1.6075640	1.6439263	1.6824961	1·7234568	1.7670133	28
33	1·5413445	1·5738004	1.6081528	1.6445506	1.6831586	1·7241609	1.7677625	27
34	1·5418706	1·5743570	1.6087423	1.6451754	1.6838219	1·7248657	1.7685125	26
35	1·5423973	1·5749141	1.6093323	1.6458009	1.6844857	1·7255712	1.7692633	25
36	1.5429244	1.5754718	1·6099228	1.6464270	1.6851503	1·7262774	1.7700149	24
37	1.5434520	1.5760300	1·6105140	1.6470537	1.6858155	1·7269844	1.7707672	23
38	1.5439801	1.5765887	1·6111057	1.6476811	1.6864814	1·7276921	1.7715204	22
39	1.5445087	1.5771479	1·6116980	1.6483090	1.6871479	1·7284005	1.7722743	21
40	1.5450378	1.5777077	1·6122908	1.6489376	1.6878151	1·7291096	1.7730290	20
41	1.5455673	1.5782680	1.6128843	1.6495668	1.6884830	1.7298195	1.7737845	19
42	1.5460974	1.5788289	1.6134783	1.6501966	1.6891516	1.7305301	1.7745409	18
43	1.5466280	1.5793902	1.6140728	1.6508270	1.6898208	1.7312414	1.7752980	17
44	1.5471590	1.5799521	1.6146680	1.6514581	1.6904907	1.7319535	1.7760559	16
45	1.5476906	1.5805146	1.6152637	1.6520898	1.6911613	1.7326663	1.7768146	15
46	1.5482226	1.5810776	1.6158600	1.6527221	1.6918326	1.7333798	1.7775741	14
47	1.5487552	1.5816411	1.6164569	1.6533550	1.6925045	1.7340941	1.7783344	13
48	1.549282	1.5822051	1.6170544	1.6539885	1.6931771	1.7348091	1.7790955	12
49	1.5498218	1.5827697	1.6176524	1.6546227	1.6938504	1.7355248	1.7798574	11
50	1.5503558	1.5833348	1.6182510	1.6552575	1.6945244	1.7362413	1.7806201	10
51	1.5508904	1.5839005	1.6188502	1.6558929	1.6951990	1.7369585	1·7813836	9
52	1.5514254	1.5844667	1.6194500	1.6565290	1.6958744	1.7376764	1·7821479	8
53	1.5519610	1.5850334	1.6200504	1.6571657	1.6965504	1.7383951	1·7829131	7
54	1.5524970	1.5856007	1.6206513	1.6578030	1.6972271	1.7391145	1·7836790	6
55	1.5530335	1.5861685	1.6212528	1.6584409	1.6979044	1.7398347	1·7844457	5
56	1.5535706	1.5867369	1.6218549	1.6590795	1.6985825	1·7405556	1·7852133	4
57	1.5541081	1.5873058	1.6224576	1.6597187	1.6992612	1·7412773	1·7859817	3
58	1.5546462	1.5878752	1.6230609	1.6603586	1.6999407	1·7419997	1·7867508	2
59	1.5551848	1.5884452	1.6236648	1.6609990	1.7006208	1·7427229	1·7875208	1
60	1.5557238	1.5890157	1.6242692	1.6616401	1.7013016	1·7434468	1·7882916	0
1.	40°	39°	38°	37°	36°	35°	34°	,
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1 17-890633 1-8869013 1-8879689 1-9425445 2-0010083 2-005748 2-1312205 2-178088307 1-8877251 1-8888858 1-9434881 2-0002177 2-0648328 2-13238507 5			56°	57°	58°	59°	60°	61°	62°	,
7 1.7937102 1.9418574 1.9392532 1.9482102 2.9070828 2.9070746 2.1382475 1.8 1.794856 1.948666 1.8950259 1.9501075 2.0091176 2.0724606 2.1406015 1.7952658 1.8435166 1.8950259 1.9501075 2.0091176 2.0724606 2.1406015 1.7952658 1.8435166 1.8950259 1.9501075 2.0091176 2.0724606 2.1406015 1.7976054 1.8460123 1.8976924 1.9529015 2.0121779 2.0757496 2.1441438 1.7985399 1.8468460 1.8958532 1.9539150 2.0132005 2.0754868 2.1453275 1.7991693 1.8476806 1.8958532 1.9539150 2.0132005 2.075486 2.1453275 1.7991693 1.8476806 1.8958532 1.9539150 2.0132005 2.075486 2.1453275 1.7991693 1.8476806 1.8954750 1.9548697 2.0142243 2.0779489 2.1465127 1.7991693 1.8476806 1.8954750 1.9548697 2.0142243 2.0779489 2.1465127 1.7991693 1.8476806 1.8954750 1.9548697 2.0142243 2.0779489 2.1465127 1.7991693 1.8476806 1.8954750 1.956699 2.0162756 2.0801536 2.1488875 1.79936023 1.85015213 1.8501898 1.9902164 1.95677402 2.0173031 2.0812580 2.1500772 1.8516231 1.8501898 1.9902164 1.95677402 2.0173031 2.0812580 2.1500772 1.8516281 1.8501689 1.9903652 1.9566992 2.0153318 2.0523637 2.1512684 1.9186903 2.0193318 2.0523637 2.1512684 1.9186903 2.0193618 2.0834708 2.1524611 1.9186903 2.018680 2.000036 1.8516872 1.903691 1.9056639 2.0023929 2.0345792 2.1536553 2.1504682 1.8504682 1.8543803 1.9006456 1.9625464 2.02244589 2.0886002 2.1584510 2.1504682 1.8504682 1.8543803 1.9006456 1.9625464 2.0224458 2.085600 2.1548510 2.1504682 1.8504682 1.85643803 1.9006456 1.9625464 2.0224458 2.085600 2.1548510 2.1504682 1.850468 2.154648 2.1546		1 2 3 4	1.7890633 1.7898357 1.7906090 1.7913831	1.8369013 1.8377251 1.8385498 1.8393753	1.8879589 1.8888388 1.8897197 1.8906016	1 9425445 1 9434861 1 9444288 1 9453725	2.0010083 2.0020177 2.0030283 2.0040402	2.0637484 2.0648328 2.0659186 2.0670056	2·1312205 2·1323880 2·1335570 2·1347274	60 59 58 57 56 55
12 1-7976054 1-8400123 1-8076092 1-9529015 2-0121779 2-0757496 2-14413875 14 1-7991693 1-8476806 1-8904750 1-9548607 2-0142243 2-0770489 2-1465175 1-7991693 1-84586161 1-9003678 1-9558254 2-0152494 2-0790506 2-1476993 1-845807 1-8015213 1-801898 1-9021564 1-9567692 2-0162756 2-0815356 2-1458875 1-8015213 1-801898 1-9021564 1-9567692 2-0173031 2-0812580 2-1500773 1-915803070 1-8160281 1-9003622 1-9566992 2-0183318 2-0822637 2-1512684 1-9030935 1-8518672 1-9034941 1-9566992 2-0193618 2-0834708 2-1546171 1-8015213 1-8025809 1-8535483 1-9057457 1-9615829 2-0214253 2-0856890 2-1546510 2-154	1	7 8 9 0	1·7937102 1·7944876 1·7952658 1·7960449	1.8418574 1.8426866 1.8435166 1.8443476	1.8932532 1.8941391 1.8950259 1.8959138	1.9482102 1.9491583 1.9501075 1.9510577	2·0070828 2·0080994 2·0091172 2·0101362	2·0702746 2·0713670 2·0724606 2·0735556	2·1382475 2·1394238 2·1406015 2·1417808	54 53 52 51 50
17	111111111111111111111111111111111111111	2 3 4 5	1.7976054 1.7983869 1.7991693 1.7999524	1 8460123 1 8468460 1 8476806 1 8485161	1.8976924 1.8985832 1.8994750 1.9003678	1.9529615 1.9539150 1.9548697 1.9558254	2·0121779 2·0132005 2·0142243 2·0152494	2·0757496 2·0768486 2·0779489 2·0790506	2·1441438 2·1453275 2·1465127 2·1476993	49 48 47 46 45
22 1-8054582 1-8543903 1-9064464 2-0224589 2-0668002 2-1560482 2-18062481 1-8552331 1-9075464 1-9635110 2-0224937 2-0879127 2-1572409	1 1 1 2	7 8 9	1·8015213 1·8023070 1·8030935 1·8038809	1.8501898 1.8510281 1.8518672 1.8527073	1.9021564 1.9030522 1.9039491 1.9048469	1.9577402 1.9586992 1.9596593 1.9606206	2·0173031 2·0183318 2·0193618 2·0203929	2.0812580 2.0823637 2.0834708 2.0845792	2·1500772 2·1512684 2·1524611 2·1536553	43 42 41 40 39
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32 1*8133953 1*8628605 1*9156999 1*9722427 2*0228628 2*0679869 2*1681040 33 1*814937 1*8637126 1*9166110 1*9723185 2*0339100 2*0991312 2*1693180 34 1*8149929 1*8646657 1*915230 1*9741954 2*0349585 2*1002408 2*1705335 35 1*8157930 1*8654197 1*9184362 1*9751735 2*0370592 2*1025089 2*1717506 36 1*8165400 1*8667147 1*9193503 1*9761527 2*0370592 2*1025082 2*1726933 37 1*8173958 1*867875 1*9211817 1*9781146 2*0391649 2*1047652 2*17441835 39 1*8190021 1*8688453 1*220990 1*970072 2*0402197 2*105399 2*1776346 40 1*8198061 1*8790040 1*9239366 1*9810659 2*042330 2*1081733 2*170859 41 1*8206118 1*8705637 1*9239366 1*9810659 2*042330 2*1081733 2*1808139 43 1*8222249 1*8722359 1*9257784 1*983033 <t< th=""><th>64 64 64</th><td>27 28 29 30</td><td>1.8094161 1.8102102 1.8110052 1.8118010</td><td>1.8586138 1.8594612 1.8603097 1.8611590</td><td>1.9111600 1.9120659 1.9129729 1.9138809</td><td>1.9673805 1.9683507 1.9693220 1.9702944</td><td>2·0276453 2·0286863 2·0297286 2·0307720</td><td>2·0923764 2·0934957 2·0946164 2·0957385</td><td>2·1620570 2·1632633 2·1644712 2·1656806</td><td>33 32 31 30 29</td></t<>	64 64 64	27 28 29 30	1.8094161 1.8102102 1.8110052 1.8118010	1.8586138 1.8594612 1.8603097 1.8611590	1.9111600 1.9120659 1.9129729 1.9138809	1.9673805 1.9683507 1.9693220 1.9702944	2·0276453 2·0286863 2·0297286 2·0307720	2·0923764 2·0934957 2·0946164 2·0957385	2·1620570 2·1632633 2·1644712 2·1656806	33 32 31 30 29
1-8173958 1-8073190 1-9206655 1-9771331 2-0381114 2-1036320 2-1741895 38 1-813085 1-8070875 1-9211817 1-9781146 2-0301640 2-1047652 2-1754113 39 1-8190021 1-8088453 1-9220900 1-9790972 2-0402197 2-1058998 2-1766346 40 1-8198065 1-809040 1-9230173 1-9800810 2-0412757 2-1070359 2-1775855 41 1-8206118 1-8706637 1-9239366 1-9810659 2-0423330 2-1081733 2-1790859 42 1-8214179 1-8714244 1-9248570 1-9820520 2-04233916 2-1093121 2-1803139 43 1-8222249 1-8722859 1-9257784 1-9830393 2-0443615 2-1104523 2-1815435 44 1-8230328 1-87314254 1-9267009 1-9840276 2-0455126 2-1115452 2-1815435 44 1-8230328 1-87314254 1-9267009 1-9840276 2-0456750 2-1127371 2-1840074 45 1-8238416 1-8740120 1-9254940 1-9860080 2-0476386 2-1138815 2-1852417 47 1-8254617 1-8757419 1-9294746 1-9869097 2-0487036 2-115274 2-1864775 48 1-8262731 1-8766082 1-9304013 1-9879927 2-0497698 2-1161748 2-1877150 1-8278985 1-8783438 1-932378 1-9899822 2-0519061 2-1184737 2-1901947 1-8257125 1-8792131 1-9331320 1-9889869 2-0508373 2-118235 2-1889541 1-8257125 1-830833 1-931876 1-9919764 2-0540476 2-110783 2-1901947 1-8259274 1-8800833 1-931876 1-9919764 2-0540476 2-110783 2-190808 1-8311599 1-8818266 1-9350605 1-9929752 2-051203 2-1219828 2-1930262 1-8311599 1-8818266 1-9350855 1-9929753 2-051203 2-1219828 2-1930262 1-8311599 1-8818266 1-935885 1-9939753 2-0561042 2-1206857 2-1967721 1-8352655 1-88362019 1-9406646 1-9989929 2-0615836 2-1288899 2-2014326 1-8360785 1-8870799 1-9406646 1-9989929 2-0615836 2-1288899 2-2014326 2-104306 2-10	40000	32 33 34 35	1.8133953 1.8141937 1.8149929 1.8157930	1.8628605 1.8637126 1.8645657 1.8654197	1.9156999 1.9166110 1.9175230 1.9184362	1 9722427 1 9732185 1 9741954 1 9751735	2·0328628 2·0339100 2·0349585 2·0360082	2·0979869 2·0991131 2·1002408 2·1013698	2·1681040 2·1693180 2·1705335 2·1717506	28 27 26 25 24
42 1·8214179 1·8714244 1·9248570 1·9820520 2·0433916 2·1093121 2·1803139 43 1·8222249 1·8722859 1·9257784 1·9830333 2·0444515 2·1104523 2·1815435 44 1·8230328 1·8731425 1·9267009 1·9840276 2·0465126 2·1116940 2·1827746 45 1·8236416 1·8740120 1·9276244 1·9850172 2·0466750 2·11127371 2·1840074 46 1·8246512 1·8748764 1·9285490 1·9860080 2·0476386 2·1138815 2·1852417 47 1·8264617 1·8757419 1·9294746 1·9869080 2·0467036 2·115074 2·1864775 48 1·8260731 1·8766082 1·9313290 1·989890 2·0467036 2·116748 2·1877150 49 1·8270854 1·8774755 1·9313290 1·989892 2·0519061 2·1184737 2·1901947 51 1·8287125 1·8792131 1·93131876 1·9909787 2·0529762 2·196253 2·1914370 <	40.00	37 38 39 40	1·8173958 1·8181985 1·8190021 1·8198065	1.8671306 1.8679875 1.8688453 1.8699040	1·9202655 1·9211817 1·9220990 1·9230173	1.9771331 1.9781146 1.9790972 1.9800810	2:0381114 2:0391649 2:0402197 2:0412757	2·1036320 2·1047652 2·1058998 2·1070359	2·1741895 2·1754113 2·1766346 2·1778595	23 22 21 20 19
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57 1.8336152 1.8844489 1.9387889 1.9969823 2.0564229 2.126551 2.1889240 58 1.8344354 1.84583249 1.9897826 1.9978870 2.06075031 2.1277867 2.2001775 59 1.8352565 1.8862019 1.9406646 1.9989929 2.0615836 2.1288899 2.2014326 60 1.8360785 1.870799 1.9416040 2.0000000 2.0626653 2.1300545 2.2026893		52 53 54 55	1.8295274 1.8303432 1.8311599 1.8319774	1.8800833 1.8809545 1.8818266 1.8826998	1.9341185 1.9350505 1.9359835 1.9369176	1 9919764 1 9929752 1 9939753 1 9949764	2.0540476 2.0551203 2.0561942 2.0572695	2·1207783 2·1219328 2·1230887 2·1242460	2·1926808 2·1939262 2·1951733 2·1964219	8 7 6 5
33 32 31 30° 29° 28° 27°		57 58 59 60	1.8336152 1.8344354 1.8352565 1.8360785	1.8844489 1.8853249 1.8862019 1.8870799	1.9387889 1.9397262 1.9406646 1.9416040	1.9969823 1.9979870 1.9989929 2.0000000	2*0594239 2*0605031 2*0615836 2*0626653	2·1265651 2·1277267 2·1288899 2·1300545	2·1989240 2·2001775 2·2014326 2·2026893	3 2 1 0
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,	63°	64°	65°	66°	67°	68°	69°	,
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2	2·2052075	2·2838967	2:3691578	2·4618106	2·5628176	2.6733171	2·7946641	58
3	2·2064691	2·2852618	2:3706390	2·4634227	2·5645781	2.6752465	2·7967873	57
4	2·2077323	2·2866286	2:3721222	2·4650371	2·5663412	2.6771790	2·7989140	56
5	2·2089972	2·2879974	2:3736075	2·4666538	2·5681069	2.6791145	2·8010441	55
6	2·2102637	2·2893679	2:3750949	2·4682729	2:5698752	2.6810530	2·8031777	54
7	2·2115318	2·2907403	2:3765843	2·4698943	2:5716462	2.6829945	2·8053148	53
8	2·2128016	2·2921145	2:3780758	2·4715181	2:5734199	2.6849391	2·8074554	52
9	2·2140730	2·2934906	2:3795694	2·4731442	2:5751963	2.6868867	2·8095995	51
10	2·2153460	2·2948685	2:3810650	2·4747726	2:5769753	2.6888374	2·8117471	50
11	2·2166208	2·2962483	2·3825627	2·4764034	2.5787570	2.6907912	2·8138982	49
12	2·2178971	2·2976299	2·3840625	2·4780366	2.5805414	2.6927480	2·8160529	48
13	2·2191752	2·2990134	2·3855645	2·4796721	2.5823284	2.6947079	2·8182111	47
14	2·2204548	2·3003988	2·3870685	2·4813100	2.5841182	2.6966709	2·8203729	46
15	2·2217362	2·3017860	2·3885746	2·4829503	2.5859107	2.6986370	2·8225382	45
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17	2·2243039	2:3045660	2:3915931	2:4862380	2·5895037	2·7025784	2·8268796	43
18	2·2255903	2:3059588	2:3931055	2:4878854	2·5913043	2·7045538	2·8290556	42
19	2·2268783	2:3073536	2:3946201	2:4895352	2·5931077	2·7065323	2·8312353	41
20	2·2281681	2:3087501	2:3961367	2:4911874	2·5949137	2·7085139	2·8334185	40
21	2·2294595	2:3101486 a	2·3976555	2·4928421	2·5967225	2·7104987	2·8356054	39
22	2·2307526	2:3115490	2·3991764	2·4944991	2·5985341	2·7124866	2·8377958	38
23	2·2320474	2:3129513	2·4006995	2·4961586	2·6003484	2·7144777	2·8399899	37
24	2·2333438	2:3143554	2·4022247	2·4978204	2·6021654	2·7164719	2·8421877	36
25	2·2346420	2:3157615	2·4037520	2·4994848	2·6039852	2·7184693	2·8443891	35
26	2·2359419	2:3171695	2·4052815	2·5011515	2.6058078	2·7204698	2.8465941	34
27	2·2372435	2:3185794	2·4068132	2·5028207	2.6076332	2·7224735	2.8488028	33
28	2·2385468	2:3199912	2·4083469	2·5044923	2.6094613	2·7244804	2.8510152	32
29	2·2398517	2:3214049	2·4098829	2·5061663	2.6112922	2·7264905	2.8532312	31
30	2·2411585	2:3228205	2·4114210	2·5078428	2.6131259	2·7285038	2.8554510	30
31	2:2424669	2·3242381	2·4129613	2·5095218	2.6149624	2.7305203	2.8576744	29
32	2:2437770	2·3256575	2·4145038	2·5112032	2.6168018	2.7325400	2.8599015	28
33	2:2450889	2·3270790	2·4160484	2·5128871	2.6186439	2.7345630	2.8621324	27
34	2:2464025	2·3285023	2·4175952	2·5145735	2.6204888	2.7365892	2.8643670	26
35	2:2477178	2·3299276	2·4191442	2·5162624	2.6223366	2.7386186	2.8666053	25
36	2·2490348	2:3313548	2·4206954	2·5179537	2.6241872	2·7406512	2·8688474	24
37	2·2503536	2:3327840	2·4222488	2·5196475	2.6260406	2·7426871	2·8710932	23
38	2·2516741	2:3342152	2·4238044	2·5213438	2.6278969	2·7447263	2·8733428	22
39	2·2529964	2:3356482	2·4253622	2·5230426	2.6297560	2·7467687	2·8755961	21
40	2·2543204	2:3370833	2·4269222	2·5247440	2.6316180	2·7488144	2·8778532	20
41	2·2556461	2:3385203	2·4284844	2.5264478	2.6334828	2.7508634	2.8801142	19
42	2·2569736	2:3399593	2·4300489	2.5281541	2.6353506	2.7529157	2.8823789	18
43	2·2583029	2:3414002	2·4316155	2.5298630	2.6372211	2.7549712	2.8846474	17
44	2·2596339	2:3428432	2·4331844	2.5315744	2.6390946	2.7570301	2.8869198	16
45	2·2609667	2:3442881	2·4347555	2.5332883	2.6409710	2.7590923	2.8891960	15
46	2·2623012	2·3457349	2·4363289	2·5350048	2.6428502	2·7611578	2·8914760	14
47	2·2636376	2·3471838	2·4379045	2·5367238	2.6447323	2·7632267	2·8937598	13
48	2·2649756	2·3486347	2·4394823	2·5384453	2.6466174	2·7652988	2·8960475	12
49	2·2663155	2·3500875	2·4410624	2·5401694	2.6485054	2·7673744	2·8983391	11
50	2·2676571	2·3515424	2·4426448	2·5418961	2.6503962	2·7694532	2·9006346	10
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52	2·2703457	2·3544581	2·4458163	2·5453571	2.6541868	2·7736211	2.9052372	8
53	2·2716927	2·3559189	2·4474054	2·5470915	2.6560865	2·7757100	2.9075443	7
54	2·2730415	2·3573818	2·4489968	2·5488284	2.6579891	2·7778024	2.9098553	6
55	2·2743921	2·3588467	2·4505905	2·5505680	2.6598947	2·7798982	2.9121703	5
56	2·2757445	2:3603136	2·4521865	2·5523101	2.6618033	2·7819973	2.9144892	4
57	2·2770987	2:3617826	2·4537848	2·5540548	2.6637148	2·7840999	2.9168121	3
58	2·2784546	2:3632535	2·4553853	2·5558022	2.6656292	2·7862059	2.9191389	2
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60	2·2811720	2:3662016	2·4585933	2·5593047	2.6694672	2·7904281	2.9238044	0
′	26°	25°	24°	23°	22°	21 °	20°	1
1								1

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,	70°	71°	72 °	73°	74°	75°	76°	,
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1	2·9261431	3·0741507	3·2389678	3·4235611	3·6316395	3·8679025	4 1383939	59
2	2·9284858	3·0767525	3·2418732	3·4268251	3·6353316	3·8721112	4 1432339	58
3	2·9308326	3·0793590	3·2447840	3·4300956	3·6390315	3·8763293	4 1480856	57
4	2·9331833	3·0819702	3·2477003	3·4333727	3·6427392	3·8805570	4 1529491	56
5	2·9355380	3·0845860	3·2506222	3·4366563	3·6464548	3·8847943	4 1578243	55
6	2·9378968	3·0872066	3·2535496	3·4399465	3.6501783	3.8890411	4·1627114	54
7	2·9402597	3·0898319	3·2564825	3·4432433	3.6539097	3.8932976	4·1676102	53
8	2·9426265	3·0924620	3·2594211	3·4465467	3.6576491	3.8975637	4·1725210	52
9	2·9449975	3·0950967	3·2623652	3·4498568	3.6613964	3.9018395	4·1774438	51
10	2·9478725	3·0977363	3·2653149	3·4531735	3.6651518	3.9061250	4·1823785	50
11	2:9497516	3·1003805	3·2682702	3·4564969	3 ·6689151	3.9104203	4·1873252	49
12	2:9521348	3·1030296	3·2712311	3·4598269	3 ·6726865	3.9147254	4·1922840	48
13	2:9545221	3·1056835	3·2741977	3·4631637	3 ·6764660	3.9190403	4·1972549	47
14	2:9569135	3·1083422	3·2771700	3·4665073	3 ·6802536	3.9233651	4·2022380	46
15	2:9593090	3·1110057	3·2801479	3·4698576	3 ·6840493	3.9276997	4·2072333	45
16	2:9617087	3·1136740	3·2831316	3·4732146	3.6878532	3 · 9320443	4·2122408	44
17	2:9641125	3·1163472	3·2861209	3·4765785	3.6916652	3 · 9363988	4·2172606	43
18	2:9665205	3·1190252	3·2891160	3·4799492	3.6954854	3 · 9407633	4·2222928	42
19	2:9689327	3·1217081	3·2921168	3·4833267	3.6993139	3 · 9451379	4·2273373	41
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21	2:9737695	3·1270886	3·2981357	3·4901023	3·7069956	3.9539171	4·2374637	39
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23	2:9786231	3·1324887	3·3041778	3·4969055	3·7147105	3.9627369	4·2476402	37
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26	2:9859352	3·1406259	3·3132847	3·5071625	3·7263457	3.9760431	4·2629996	34
27	2:9883811	3·1433483	3·3163320	3·5105954	3·7302409	3.9804991	4·2681449	33
28	2:9908312	3·1460756	3·3193853	3·5140354	3·7341446	3.9849654	4·2733029	32
29	2:9932856	3·1488079	3·3224444	3·5174824	3·7380568	3.9894421	4·2784738	31
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31	2·9982073	3·1542877	3·3285805	3·5243977	3·7459068	3·9984267	4·2888543	29
32	3·0006746	3·1570351	3·3316575	3·5278660	3·7498447	4·0029347	4·2940640	28
33	3·0031462	3·1597876	3·3347405	3·5313414	3·7537911	4·0074532	4·2992867	27
34	3·0056221	3·1625452	3·3378294	3·5348240	3·7577462	4·0119823	4·3045225	26
35	3·0081024	3·1653078	3·3409244	3·5383138	3·7617100	4·0165219	4·3097715	25
36	3.0105870	3·1680756	3:3440254	3·5418107	3·7656824	4 0210722	4·3150336	24
37	3.0130760	3·1708484	3:3471324	3·5453149	3·7696636	4 0256332	4·3203090	23
38	3.0155694	3·1736264	3:3502455	3·5488263	3·7736535	4 0302048	4·3255977	22
39	3.0180672	3·1764095	3:3533647	3·5523450	3·7776522	4 0347872	4·3308996	21
40	3.0205693	3·1791978	3:3564900	3·5558710	3·7816596	4 0393804	4·3362150	20
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42	3·0255868	3·1847899	3·3627589	3·5629448	3·7897011	4·0485992	4:3468861	18
43	3·0281023	3·1875937	3·3659026	3·5664928	3·7937352	4·0532249	4:3522419	17
44	3·0306221	3·1904028	3·3690524	3·5700481	3 ·7977782	4·0578615	4:3576113	16
45	3·0331464	3·1932170	3·3722084	3·5736108	3 ·8018301	4·0625091	4:3629943	15
46	3·0356752	3·1960365	3·3753707	3·5771810	3·8058911	4·0671677	4·3683910	14
47	3·0382084	3·1988613	3·3785391	3·5807586	3·8099610	4·0718374	4·3738015	13
48	3·0407462	3·2016913	3·3817138	3·5843437	3·8140399	4·0765181	4·3792257	12
49	3·0432884	3·2045266	3·3848948	3·5879362	3·8181280	4·0812100	4·3846638	11
50	3·0458352	3·2073673	3·3880820	3·5915363	3·8222251	4·0859130	4·3901158	10
51	3.0483864	3·2102132	3 3912755	3·5951439	3·8263313	4·0906272	4·3955817	9
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53	3.0535026	3·2159210	3 3976816	3·6023818	3·8345713	4·1000893	4·4065556	7
54	3.0560675	3·2187830	3 4008941	3·6060121	3·8387052	4·1048374	4·4120637	6
55	3.0586370	3·2216503	3 4041130	3·6096501	3·8428482	4·1095967	4·4175859	5
56	3.0612111	3·2245230	3:4073382	3·6132957	3·8470006	4·1143675	4·4231224	4
57	3.0637898	3·2274011	3:4105699	3·6169490	3·8511622	4·1191498	4·4286731	3
58	3.0663731	3·2302846	3:4138080	3·6206101	3·8553332	4·1239435	4·4342382	2
59	3.0689610	3·2331736	3:4170526	3·6242788	3·8595135	4·1287487	4·4398176	1
60	3.0715535	3·2360680	3:4203036	3·6279553	3·8637033	4·1335655	4·4454115	0
1	19°	18°	17°	16°	15°	14°	13°	'

	77°	78°	79°	80°	81°	82°	83°	,
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1	4.4510198	4.8163258	5.2486979	5.7682867	6.4042154	7.2001996	8.2249952	59
2	4.4566428	4.8229357	5.2565768	5.7778350	6.4160216	7.2151653	8.2445748	58 57
3 4	4·4622803 4·4679324	4.8295643 4.8362114	5·2644798 5·2724070	5·7874153 5·7970280	6·4278719 6·4397666	7·2301940 7·2452859	8·2642485 8·2840171	56
5	4.4735993	4.8428774	5.2803587	5.8066732	6.4517059	7.2604417	8.3038812	55
1	4.4792810	4.8495621	5.2883347	5.8163510	6.4636901	7.2756616		54
6	4.4792810	4.8562657	5 2963354	5.8260617	6.4757195	7.2909460	8·3238415 8·3438986	53
8	4.4906889	4 8629883	5.3043608	5.8358053	6.4877944	7:3062954	8.3640534	52
9	4.4964152	4.8697299	5.3124109	5.8455820	6.4999148	7.3217102	8.3843065	51
10	4.5021565	4.8764907	5.3204860	5.8553921	6.5120812	7:3371909	8.4046586	50
11	4.5079129	4.8832707	5.3285861	5.8652356	6.5242938	7:3527377	8.4251105	49
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13	4.5194711	4.8968886	5.3448620	5.8850238	6.5488586	7.3840318	8.4663165	47
14	4.5252730	4 9037267	5.3530379	5.8949688	6.5612113	7.3997798	8.4870721	46
15	4.5310903	4.9105844	5.3612393	5.9049479	6.5736112	7.4155959	8.5079304	45
16	4.5369229	4.9174616	5.3694664	5.9149614	6.5860587	7.4314803	8.5288923	44
17	4.5427709	4.9243586	5.3777192	5.9250095	6.5985540	7.4474335	8.5499584	43
18	4.5486344	4.9312754	5.3859979	5.9350922	6.6110973	7:4634560	8.5711295	42
19 20	4.5545134 4.5604080	4·9382120 4·9451687	5·3943026 5·4026333	5*9452098 5*9553625	6.6236890	7:4795482	8.5924065	41
1 1					6.6363293	7.4957106	8.6137901	40
21	4.5663183	4.9521453	5.4109903	5.9655504	6.6490184	7.5119437	8.6352812	39
22 23	4.5722444 4.5781862	4·9591421 4·9661591	5·4193737 5·4277835	5 • 9757737 5 • 9860326	6.6617568	7.5282478	8.6568805	38
24	4.5841439	4.9731964	5.4362199	5.9963274	6.6745446 6.6873822	7·5446236 7·5610713	8.6785889 8.7004071	36
25	4.5901174	4.9802541	5.4446831	6.0066581	6.7002699	7.5775916	8.7223361	35
26	4.5961070	4.9873323	5.4531731	6.0170250	6.7132079			
27	4.6021126	4.9944311	5.4616901	6.0274282	6.7261965	7.5941849 7.6108516	8·7443766 8·7665295	34
28	4.6081343	5.0015505	5.4702342	6.0378680	6.7392360	7.6275923	8.7887957	32
29	4.6141722	5.0086907	5.4788056	6.0483445	6.7523268	7.6444075	8.8111761	31
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31	4.6262967	5.0230337	5.4960305	6.0694085	6.7786632	7.6782631	8.8562828	29
32	4.6323835	5.0302367	5.5046843	6.0799964	6.7919095	7.6953047	8.8790109	28
33	4.6384867	5.0374607	5.5133659	6.0906219	6.8052082	7.7124227	8.9018567	27
34	4.6446064	5.0447060	5.5220754	6.1012850	6.8185597	7.7296176	8.9248211	26
35	4.6507427	5.0519726	5.5308129	6.1119861	6.8319642	7.7468901	8.9479051	25
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37	4.6630652	5.0665701	5.5483726	6.1335028	6.8589338	7.7816697	8.9944354	23
38	4.6692516 4.6754548	5.0739012	5.5571951	6.1443189	6.8724995	7.7991778	9.0178837	22
40	4.6816748	5.0812539 5.0886284	5.5660460 5.5749258	6·1551736 6·1660674	6.8861195 6.8997942	7·8167656 7·8344335	9·0414553 9·0651512	21 20
41	4 6879119 4 6941660	5·0960248 5·1034431	5.5838343	6.1770003	6.9135239	7.8521821	9.0889725	19
43	4.7004372	5.1108835	5.5927719 5.6017386	6·1879725 6·1989843	6.9273089 6.9411496	7·8700120 7·8879238	9·1129200 9·1369949	18
44	4 7067256	5.1183461	5.6107345	6.2100359	6.9550464	7-9059179	9.1611980	16
45	4.7130313	5.1258309	5.6197599	6.2211275	6.9689994	7.9239950	9.1855305	15
46	4.7193542	5.1333381	5.6288148	6.2322594	6.9830092	7.9421556	9.2099934	
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48	4.7320524	5.1484199	5.6470140	6.2546446	7.0112001	7.9787298	9.2593145	12
49	4.7384277	5.1559948	5.6561584	6.2658984	7.0253820	7.9971445	9.2841749	11
50	4.7448206	5.1635924	5.6653331	6.2771933	7.0396220	8.0156450	9.3091699	10
51	4.7512312	5.1712128	5.6745380	6.2885295	7.0539205	8.0342321	9.3343006	9
52	4.7576596	5.1788563	5.6837734	6.2999073	7.0682777	8.0529062	9.3595682	8
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54 55	4.7705699 4.7770519	5·1942125 5·2019254	5.7023360 5.7116636	6·3227884 6·3342923	7·0971700 7·1117059	8·0905182 8·1094573	9·4105184 9·4362033	6
								5
56	4·7835520 4·7900702	5·2096618 5·2174216	5.7210223	6.3458386	7:1263019	8.1284860	9.4620296	4
58	4.7966066	5.2252050	5·7304121 5·7398333	6·3574276 6·3690595	7·1409587 7·1556764	8·1476048 8·1668145	9·4879984 9·5141110	3 2
59	4.8031613	5.2330121	5.7492861	6.3807347	7.1704556	8.1861157	9.5403686	1
60	4.8097343	5.2408431	5.7587705	6.3924532	7.1852965	8.2055090	9.5667722	ō
1.1								
1	12°	11°	10°	9°	8°	7°	6°	'
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,	84°	85°	86°	87°	88°	89°	,
0	9·5667722	11·473713	14:335587	19·107323	28.653708	57*298688	60
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3	9·6468724	11·589316	14:516757	19·430882	29.388124	60*314110	57
4	9·6738730	11·628372	14:578172	19·541187	29.641373	61*391050	56
5	9·7010260	11·667693	14:640109	19·652754	29.899026	62*507153	55
6	9·7283327	11.707282	14·702576	19·765604	30·161201	63·664595	54
7	9·7557944	11.747141	14·765580	19·879758	30·428017	64·865716	53
8	9·7834124	11.787274	14·829128	19·995241	30·699598	66·113036	52
9	9·8111880	11.827683	14·893226	20·112075	30·976074	67·409272	51
10	9·8391227	11.868370	14·957882	20·230284	31·257577	68·757360	50
11	9·8672176	11:909340	15·023103	20·349893	31·544246	70·160474	49
12	9·8954744	11:950595	15·088896	20·470926	31·836225	71·622052	48
13	9·9238943	11:992137	15·155270	20·593409	32·133663	73·145827	47
14	9·9524787	12:033970	15·222231	20·717368	32·436713	74·735856	46
15	9·9812291	12:076098	15·289788	20·842830	32·745537	76·396554	45
16	10 010147	12·118522	15·357949	20 969824	33·060300	78·132742	44
17	10 039234	12·161246	15·426721	21 098376	33·381176	79·949684	43
18	10 068491	12·204274	15·496114	21 228515	33·708345	81·853150	42
19	10 097920	12·247608	15·566135	21 360272	34·041994	83·849470	41
20	10 127522	12·291252	15·636793	21 493676	34·382316	85·945609	40
21	10·157300	12·335210	15·708096	21.628759	34·729515	88·149244	39
22	10·187254	12·379484	15·780054	21.765553	35·083800	90·468863	38
23	10·217386	12·424078	15·852676	21.904090	35·445391	92·913869	37
24	10·247697	12·468995	15·925971	22.044403	35·814517	95·494711	36
25	10·278190	12·514240	15·999948	22.186528	36·191414	98·223033	35
26	10·308866	12.559815	16 074617	22·330499	36·576332	101·11185	34
27	10·339726	12.605724	16 149987	22·476353	36·969528	104·17574	33
28	10·370772	12.651971	16 226069	22·624126	37·371273	107·43114	32
29	10·402007	12.698560	16 302873	22·773857	37·781849	110·89656	31
30	10·433431	12.745495	16 380408	22·925586	38·201550	114·59301	30
31	10·465046	12·792779	16·458686	23·079351	38·630683	118·54440	29
32	10·496854	12·840416	16·537717	23·235196	39·069571	122·77803	28
33	10·528857	12·888410	16·617512	23·393161	39·518549	127·32526	27
34	10·561057	12·936765	16·698082	23·553291	39·977969	132·22229	26
35	10·593455	12·985486	16·779439	23·715630	40·448201	137·51108	25
36	10.626054	13.034576	16:861594	23·880224	40·929630	143·24061	24
37	10.658854	13.084040	16:944559	24·047121	41·422660	149·46837	23
38	10.691859	13.133882	17:028346	24·216370	41·927717	156·26228	22
39	10.725070	13.184106	17:112966	24·388020	42·445245	163·70325	21
40	10.758488	13.234717	17:198434	24·562123	42·975713	171·88831	20
41	10·792117	13·285719	17·284761	24·738731	43·519612	180·93496	19
42	10·825957	13·387116	17·371960	24·917900	44·077458	190·98680	18
43	10·860011	13·388914	17·460046	25·099685	44·649795	202·22122	17
44	10·894281	13·441118	17·549030	25·284144	45·237195	214·85995	16
45	10·928768	13·493731	17·638928	25·471337	45·840260	229·18385	15
46 47 48 49 50	10 963476 10 998406 11 033560 11 068940 11 104549	13·546758 13·600205 13·654077 13·708379 13·763115	17·729753 17·821520 17·914243 18·007937 18·102619	25·854169 26·049937 26·248694 26·450510	46·459625 47·095961 47·749974 48·422411 49·114062	245·55402 264·44269 286·47948 312·52297 343·77516	14 13 12 11 10
51	11·140389	13·818291	18·198303	26.655455	49·825762	381·97230	9
52	11·176462	13·873913	18·295005	26.863603	50·558396	429·71873	8
53	11·212770	13·929985	18·392742	27.075030	51·312902	491·10702	7
54	11·249316	13·986514	18·491530	27.289814	52·090272	572·95809	6
55	11·286101	14·043504	18·591387	27.508035	52·891564	687·54960	5
56	11:323129	14·100963	18·692330	27·729777	53·717896	859·43689	4
57	11:360402	14·158694	18·794377	27·955125	54·570464	1145·9157	3
58	11:397922	14·217304	18·897545	28·184168	55·450534	1718·8735	2
59	11:435692	14·276200	19·001854	28·416997	56·359462	3437·7468	1
60	11:473713	14·335587	19·107323	28·653708	57·298688	Infinite.	0
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1	01.0	00.0	61	60.9	03.0	121	120.9	05.9	181	180.8	08.9	241	240.7	11.8
2	02.0	00.1	62	61.9	03.0	122	121.9	06.0	182	181.8	08.9	242	241.7	11.9
3	03.0	00.1	63	62.9	03.1	123	122.9	06.0	183 184	182·8 183·8	09.0	243	2427	11.9
5	04·0 05·0	00·2	64 65	63·9 64·9	03·1 03·2	124 125	123·9 124·9	06.1	185	184.8	09.1	244 245	243·7 244·7	12·0 12·0
6	06.0	00.3	66	65.9	03.2	126	125.8	06.2	186	185.8	09.1	246	245.7	12.1
7	07.0	00.3	67	66.9	03.3	127	126.8	06.2	187	186.8	09.2	247	246.7	12.1
8	08.0	00.4	68	67.9	03.3	128	127.8	06.3	188	187.8	09.2	248	247.7	12.2
10	09·0	00·4 00·5	69 70	68·9	03.4	129 130	128·8 129·8	06·3 06·4	189 190	188·8 189·8	09.3	249 250	248·7 249·7	12·2 12·3
1		00.5		70.9	03.2	131	130.8	06.4	191	190.8	09.4	251	250.7	12.3
11 12	11·0 12·0	00.6	71 72	71.9	03.2	132	131.8	06.2	192	191.8	09.4	252	251.7	12.4
13	13.0	9.00	73	72.9	03.6	133	132.8	06.2	193	192.8	09.5	253	252.7	12.4
14	14.0	00.7	74	73.9	03.6	134	133.8	9.90	194	193.8	09.5	254	253.7	12.5
15	15.0	00.7	75	74.9	03.7	135	134.8	9.90	195	194.8	09.6	255	254.7	12.5
16	16.0	8.00	76	75.9	03.7	136 137	135·8 136·8	06.7	196 197	195.8 196.8	09.6	256 257	255·7 256·7	12.6
17 18	17·0 18·0	00.8	77 78	76·9 77·9	03·8 03·8	138	137.8	06·7 06·8	198	197.8	09·7 09·7	258	257.7	12.6 12.7
19	19.0	00.9	79	78.9	03.9	139	138.8	06.8	199	198.8	09.8	259	258.7	12.7
20	20.0	01.0	80	79.9	03.9	140	139.8	06.9	200	199.8	09.8	260	259.7	12.8
21	21.0	01.0	81	80.9	04.0	141	140.8	06.90	201	200.8	09.9	261	260.7	12.8
22	22.0	01.1	82	81.9	04.0	142	141.8	07.0	202 203	201.8	09.9	262	261.7	12.9
23 24	23·0 24·0	$01.1 \\ 01.2$	83 84	82·9 83·9	04·1 04·1	143 144	142.8 143.8	07·0 07·1	203	202·8 203·8	10·0	263 264	262·7 263·7	12·9 13·0
25	25.0	01.2	85	84.9	04.2	145	144.8	07.1	205	204.8	10.1	265	264.7	13.0
26	26.0	01.3	86	85.9	04.2	146	145.8	07.2	206	205.8	10.1	266	265.7	13.1
27	27.0	01.3	87	86.9	04.3	147	146.8	07.2	207	206.8	10.2	267	266.7	13.1
28	28.0	01.4	88	87.9	04.3	148	147.8	07.3	208	207.8	10.2	268	267.7	13.2
29 30	29·0 20·0	01·4 01·5	89 90	88·9	04.4	149 150	148·8 149·8	07·3 07·4	209 210	208·8 209·8	10·3 10·3	269 270	268·7 269·7	13·2 13·3
31	31.0	01.2	91	90.9	04.5	151	150.8	07.4	211	210.7	10.4	271	270.7	13.3
32	32.0	01.6	92	91.9	04.5	152	151.8	07.5	212	211.7	10.4	272	271.7	13.3
33	33.0	01.6	93	92.9	04.6	153	152.8	07.5	213	212.7	10.2	273	272.7	13.4
34 35	34·0 35·0	01·7 01·7	94 95	93·9 94·9	04·6 04·7	154 155	153·8 154·8	07·6 07·6	214 215	213·7 214·7	10.2 10.6	274 275	273·7 274·7	13·4 13·5
36	36.0	01.8	96	95.9	04.7	156	155.8	07.7	216	215.7	10.6	276	275.7	13.5
37	37.0	01.8	97	96.9	04.8	157	156.8	07.7	217	216.7	10.7	277	276.7	13.6
38	38.0	01.9	98	97.9	04.8	158	157.8	07.8	218	217.7	10.7	278	277.7	13.6
39	39.0	01.9	99	98.9	04.9	159	158.8	07.8	219	218.7	10.8	279	278.7	13.7
40	40.0	02.0	100	99.9	04.9	160	159.8	07.9	220	219.7	10.8	280	279.7	13.7
41	41·9	$02.0 \\ 02.1$	101 102	100·9	05·0 05·0	161 162	160·8 161·8	07·9 08·0	221 222	220·7 221·7	10·8 10·9	281 282	280·7 281·7	13·8 13·8
43	42.9	02.1	103	102.9	05.1	163	162.8	08.0	223	222.7	10.9	283	282.7	13.9
44	43.9	02.2	104	103.9	05.1	164	163.8	08.1	224	223.7	11.0	284	283.7	13.9
45	44.9	02.2	105	104.9	05.2	165	164.8	08.1	225	224.7	11.0	285	284.7	14.0
46	45.9	02.3	106	105.9	05.2	166	165.8	08.2	226	225.7	11.1	286	285.7	14.0
47	46·9 47·9	02·3 02·4	107 108	106·9 107·9	05.3	167 168	166.8 167.8	08.2	227 228	226·7 227·7	11·1 11·2	287 288	286·7 287·7	14·1 14·1
49	48.9	02.4	109	108.9	05.4	169	168.8	08.3	229	228.7	11.2	289	288.7	14.2
50	49.9	02.5	110	109.9	05.4	170	169.8	08.3	230	229.7	11.3	290	289.7	14.2
51	50.9	02.5	111	110.9	05.2	171	170.8	08.4	231	230.7	11.3	291	290.7	14.3
52 53	51·9 52·9	02.6	112 113	111·9 112·9	05.5	172	171.8 172.8	08·4 08·5	232 233	231·7 232·7	11.4	292 293	291.7	14.3
54	53.9	02.7	114	113.9	05.6	173 174	173.8	08.2	234	233.7	11·4 11·5	293	292·7 293·6	14·4 14·4
55	54.9	02.7	115	114.9	05.6	175	174.8	08.6	235	234.7	11.5	295	294.6	14.5
56	55.9	02.8	116	115.9	05.7	176	175.8	08.6	236	235.7	11.6	296	295.6	14.5
57	56.9	02.8	117	116.9	05.7	177	176.8	08.7	237	236.7	11.6	297	296.6	14.6
58	57·9 58·9	02.9	118 119	117·9 118·9	05·8 05·8	178 179	177·8 178·8	08·7 08·8	238 239	237·7 238·7	11·7 11·7	298	297·6 298·6	14.6 14.7
60	59.9	02.9	120	119.9	05.9	180	179.8	08.8	240	239.7	11.8	300	299.6	14.7
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1 01·0	00·1	61	60·7	06.0	121	120·4	11.9	181	180·1	17.7	241	239.8	23·6
2 02·0	00·2	62	61·7	06.1	122	121·4	12.0	182	181·1	17.8	242	240.8	23·7
3 03·0	00·3	63	62·7	06.2	123	122·4	12.1	183	182·1	17.9	243	241.8	23·8
4 04·0	00·4	64	63·7	06.3	124	123·4	12.2	184	183·1	18.0	244	242.8	23·9
5 05·0	00·5	65	64·7	06.4	125	124·4	12.3	185	184·1	18.1	245	243.8	24·0
6 06.0	00.6	66	65·7	06.5	126	125.4	12·3	186	185·1	18·2	246	244.8	24·1
7 07.0	00.7	67	66·7	06.6	127	126.4	12·4	187	186·1	18·3	247	245.8	24·2
8 08.0	00.8	68	67·7	06.7	128	127.4	12·5	188	187·1	18·4	248	246.8	24·3
9 09.0	00.9	69	68·7	06.8	129	128.4	12·6	189	188·1	18·5	249	247.8	24·4
10 10.0	01.0	70	69·7	06.9	130	129.4	12·7	190	189·1	18·6	250	248.8	24·5
11 10.9	01·1	71	70·7	07·0	131	130·4	12.8	191	190·1	18·7	251	249.8	24·6
12 11.9	01·2	72	71·7	07·1	132	131·4	12.9	192	191·1	18·8	252	250.8	24·7
13 12.9	01·3	73	72·6	07·2	133	132·4	13.0	193	192·1	18·9	253	251.8	24·8
14 13.9	01·4	74	73·6	07·3	134	133·4	13.1	194	193·1	19·0	254	252.8	24·9
15 14.9	01·5	75	74·6	07·4	135	134·3	13.2	195	194·1	19·1	255	253.8	25·0
16 15.9	01.6	76	75·6	07·4	136	135·3	13·3	196	195·1	19·2	256	254·8	25·1
17 16.9	01.7	77	76·6	07·5	137	136·3	13·4	197	196·1	19·3	257	255·8	25·2
18 17.9	01.8	78	77·6	07·6	138	137·3	13·5	198	197·0	19·4	258	256·8	25·3
19 18.9	01.9	79	78·6	07·7	139	138·3	13·6	199	198·0	19·5	259	257·8	25·4
20 19.9	02.0	80	79·6	07·8	140	139·3	13·7	200	199·0	19·6	260	258·7	25·5
21 20·9	02·1	81	80.6	07.9	141	140·3	13.8	201	200·0	19·7	261	259·7	25.6
22 21·9	02·2	82	81.6	08.0	142	141·3	13.9	202	201·0	19·8	262	260·7	25.7
23 22·9	02·3	83	82.6	08.1	143	142·3	14.0	203	202·0	19·9	263	261·7	25.8
24 23·9	02·4	84	83.6	08.2	144	143·3	14.1	204	203·0	20·0	264	262·7	25.9
25 24·9	02·4	85	84.6	08.3	145	144·3	14.2	205	204·0	20·1	265	263·7	26.0
26 25·9	02·5	86	85.6	08·4	146	145·3	14·3	206	205·0	20·2	266	264 · 7	26·1
27 26·9	02·6	87	86.6	08·5	147	146·3	14·4	207	206·0	20·3	267	265 · 7	26·2
28 27·9	02·7	88	87.6	08·6	148	147·3	14·5	208	207·0	20·4	268	266 · 7	26·3
29 28·9	02·8	89	88.6	08·7	149	148·3	14·6	209	208·0	20·5	269	267 · 7	26·4
30 29·9	02·9	90	89.6	08·8	150	149·3	14·7	210	209·0	20·6	270	268 · 7	26·5
31 30.9	03·0	91	90.6	08.9	151	150·3	14.8	211	210·0	20·7	271	269·7	26.6
32 31.8	03·1	92	91.6	09.0	152	151·3	14.9	212	211·0	20·8	272	270·7	26.7
33 32.8	03·2	93	92.6	09.1	153	152·3	15.0	213	212·0	20·9	273	271·7	26.8
34 33.8	03·3	94	93.5	09.2	154	153·3	15.1	214	213·0	21·0	274	272·7	26.9
35 34.8	03·4	95	94.5	09.3	155	154·3	15.2	215	214·0	21·1	275	273·7	27.0
36 35·8	03·5	96	95·5	09·4	156	155·2	15·3	216	215·0	21·2	276	274.7	27·1
37 36·8	03·6	97	96·5	09·5	157	156·2	15·4	217	216·0	21·3	277	275.7	27·2
38 37·8	03·7	98	97·5	09·6	158	157·2	15·5	218	216·9	21·4	278	276.7	27·3
39 38·8	03·8	99	98·5	09·7	159	158·2	15·6	219	217·9	21·5	279	277.7	27·3
40 39·8	03·9	100	99·5	09·8	160	159·2	15·7	220	218·9	21·6	280	278.7	27·4
41 40·8	04·0	101	100·5	09.9	161	160·2	15.8	221	219 ·9	21.7	281	279.6	27·5
42 41·8	04·1	102	101·5	10.0	162	161·2	15.9	222	220 ·9	21.8	282	280.6	27·6
43 42·8	04·2	103	102·5	10.1	163	162·2	16.0	223	221 ·9	21.9	283	281.6	27·7
44 43·8	04·3	104	103·5	10.2	164	163·2	16.1	224	222 ·9	22.0	284	282.6	27·8
45 44·8	04·4	105	104·5	10.3	165	164·2	16.2	225	223 ·9	22.1	285	283.6	27·9
46 45·8	04.5	106	105.5	10·4	166	165·2	16·3	226	224 ·9	22·2	286	284.6	28·0
47 46·8	04.6	107	106.5	10·5	167	166·2	16·4	227	225 ·9	22·2	287	285.6	28·1
48 47·8	04.7	108	107.5	10·6	168	167·2	16·5	228	226 ·9	22·3	288	286.6	28·2
49 48·8	04.8	109	108.5	10·7	169	168·2	16·6	229	227 ·9	22·4	289	287.6	28·3
50 49·8	04.9	110	109.5	10·8	170	169·2	16·7	230	228 ·9	22·5	290	288.6	28·4
51 50·8	05·0	111	110·5	10.9	171	170°2	16·8	231	229·9	22.6	291	289.6	28·5
52 51·7	05·1	112	111·5	11.0	172	171°2	16·9	232	230·9	22.7	292	290.6	28·6
53 52·7	05·2	113	112·5	11.1	173	172°2	17·0	233	231·9	22.8	293	291.6	28·7
54 53·7	05·3	114	113·5	11.2	174	173°2	17·1	234	232·9	22.9	294	292.6	28·8
55 54·7	05·4	115	114·4	11.3	175	174°2	17·2	235	233·9	23.0	295	293.6	28·9
56 55·7	05·5	116	115.4	11·4	176	175 · 2	17·3	236	234·9	23·1	296	294.6	29·0
57 56·7	05·6	117	116.4	11·5	177	176 · 1	17·4	237	235·9	23·2	297	295.6	29·1
58 57·7	05·7	118	117.4	11·6	178	177 · 1	17·4	238	236·9	23·3	298	296.6	29·2
59 58·7	05·8	119	118.4	11·7	179	178 · 1	17·5	239	237·8	23·4	299	297.6	29·3
60 59·7	05·9	120	119.4	11·8	180	179 · 1	17·6	240	238·8	23·5	300	298.6	29·4
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1	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
	1	01.0	00·1	61	60·3	09·0	121	119·7	17.7	181	179.0	26·6	241	238 ⁴	35·4
	2	02.0	00·3	62	61·3	09·1	122	120·7	17.9	182	180.0	26·7	242	239·4	35·5
	3	03.0	00·4	63	62·3	09·2	123	121·7	18.0	183	181.0	26·9	243	240·4	35·7
	4	04.0	00·6	64	63·3	09·4	124	122·7	18.2	184	182.0	27·0	244	241·4	35·8
	5	04.9	00·7	65	64·3	09·5	125	123·6	18.3	185	183.0	27·1	245	242·4	36·0
	6	05·9	00.9	66	65·3	09.7	126	124.6	18·5	186	184·0	27·3	246	243·3	36·1
	7	06·9	01.0	67	66·3	09.8	127	125.6	18·6	187	185·0	27·4	247	244·3	36·2
	8	07·9	01.2	68	67·3	10.0	128	126.6	18·8	188	186·0	27·6	248	245·3	36·4
	9	08·9	01.3	69	68·3	10.1	129	127.6	18·9	189	187·0	27·7	249	246·3	36·5
	10	09·9	01.5	70	69·2	10.3	130	128.6	19·1	190	187·9	27·9	250	247·3	36·7
	11	10.9	01.6	71	70·2	10·4	131	129.6	19·2	191	188.9	28·0	251	248·3	36·8
	12	11.9	01.8	72	71·2	10·6	132	130.6	19·4	192	189.9	28·2	252	249·3	37·0
	13	12.9	01.9	73	72·2	10·7	133	131.6	19·5	193	190.9	28·3	253	250·3	37·1
	14	13.8	02.1	74	73·2	10·9	134	132.5	19·7	194	191.9	28·5	254	251·3	37·3
	15	14.8	02.2	75	74·2	11·0	135	133.5	19·8	195	192.9	28·6	255	252·2	37·4
	16	15·8	02·3	76	75·2	11·2	136	134.5	20·0	196	193·9	28.8	256	253·2	37·6
	17	16·8	02·5	77	76·2	11·3	137	135.5	20·1	197	194·9	28.9	257	254·2	37·7
	18	17·8	02·6	78	77·2	11·4	138	136.5	20·2	198	195·9	29.1	258	255·2	37·9
	19	18·8	02·8	79	78·1	11·6	139	137.5	20·4	199	196·8	29.2	259	256·2	38·0
	20	19·8	02·9	80	79·1	11·7	140	138.5	20·5	200	197·8	29.3	260	257·2	38·2
	21	20·8	03·1	81	80·1	11 9	-141	139.5	20.7	201	198.8	29.5	261	258·2	38·3
	22	21·8	03·2	82	81·1	12 0	142	140.5	20.8	202	199.8	29.6	262	259·2	38·4
	23	22·8	03·4	83	82·1	12 2	143	141.5	21.0	203	200.8	29.8	263	260·2	38·6
	24	23·7	03·5	84	83·1	12 3	144	142.4	21.1	204	201.8	29.9	264	261·1	38·7
	25	24·7	03·7	85	84·1	12 5	145	143.4	21.3	205	202.8	30.1	265	262·1	38·9
	26	25·7	03·8	86	85·1	12.6	146	144·4	21·4	206	203·8	30·2	266	263·1	39·0
	27	26·7	04·0	87	86·1	12.8	147	145·4	21·6	207	204·8	30·4	267	264·1	39·2
	28	27·7	04·1	88	87·0	12.9	148	146·4	21·7	208	205·7	30·5	268	265·1	39·3
	29	28·7	04·3	89	88·0	13.1	149	147·4	21·9	209	206·7	30·7	269	266·1	39·5
	30	29·7	04·4	90	89·0	13.2	150	148·4	22·0	210	207·7	30·8	270	267·1	39·6
	31	30·7	04.5	91	90·0	13·4	151	149·4	22·2	211	208·7	31·0	271	268·1	39.8
	32	31·7	04.7	92	91·0	13·5	152	150·4	22·3	212	209·7	31·1	272	269·1	39.9
	33	32·6	04.8	93	92·0	13·6	153	151·3	22·4	213	210·7	31·3	273	270·0	40.1
	34	33·6	05.0	94	93·0	13·8	154	152·3	22·6	214	211·7	31·4	274	271·0	40.2
	35	34·6	05.1	95	94·0	13·9	155	153·3	22·7	215	212·7	31·5	275	272·0	40.4
	36	35·6	05·3	96	95.0	14·1	156	154·3	22·9	216	213·7	31.7	276	273·0	40.5
	37	36·6	05·4	97	96.0	14·2	157	155·3	23·0	217	214·7	31.8	277	274·0	40.6
	38	37·6	05·6	98	96.9	14·4	158	156·3	23·2	218	215·6	32.0	278	275·0	40.8
	39	38·6	05·7	99	97.9	14·5	159	157·3	23·3	219	216·6	32.1	279	276·0	40.9
	40	39·6	05·9	100	98.9	14·7	160	158·3	23·5	220	217·6	32.3	280	277·0	41.1
	41	40.6	06.0	101	99·9	14.8	161	159·3	23·6	221	218.6	32·4	281	278.9	41.2
	42	41.5	06.2	102	100·9	15.0	162	160·2	23·8	222	219.6	32·6	282	279.9	41.4
	43	42.5	06.3	103	101·9	15.1	163	161·2	23·9	223	220.6	32·7	283	279.9	41.5
	44	43.5	06.5	104	102·9	15.3	164	162·2	24·1	224	221.6	32·9	284	280.9	41.7
	45	44.5	06.6	105	103·9	15.4	165	163·2	24·2	225	222.6	33·0	285	281.9	41.8
	46	45.5	06·7	106	104.8	15.6	166	164·2	24·4	226	223.6	33·2	286	282.9	42·0
	47	46.5	06·9	107	105.8	15.7	167	165·2	24·5	227	224.5	33·3	287	283.9	42·1
	48	47.5	07·0	108	106.8	15.8	168	166·2	24·7	228	225.5	33·5	288	284.9	42·3
	49	48.5	07·2	109	107.8	16.0	169	167·2	24·8	229	226.5	33·6	289	285.9	42·4
	50	49.5	07·3	110	108.8	16.1	170	168·2	24·9	230	227.5	33·8	290	286.9	42·6
	51	50·4	07·5	111	109·8	16·3	171	169·1	25·1	231	228·5	33.9	291	287.9	42.7
	52	51·4	07·6	112	110·8	16·4	172	170·1	25·2	232	229·5	34.0	292	288.8	42.8
	53	52·4	07·8	113	111·8	16·6	173	171·1	25·4	233	230·5	34.2	293	289.8	43.0
	54	53·4	07·9	114	112·8	16·7	174	172·1	25·5	234	231·5	34.3	294	290.8	43.1
	55	54·4	08·1	115	113·8	16·9	175	173·1	25·7	235	232·5	34.5	295	291.8	43.3
	56	55·4	08·2	116	114·7	17·0	176	174·1	25·8	236	233·4	34·6	296	292.8	43.4
	57	56·4	08·4	117	115·7	17·2	177	175·1	26·0	237	234·4	34·8	297	293.8	43.6
	58	57·4	08·5	118	116·7	17·3	178	176·1	26·1	238	235·4	34·9	298	294.8	43.7
	59	58·4	08·7	119	117·7	17·5	179	177·1	26·3	239	236·4	35·1	299	295.8	43.9
	60	59·4	08·8	120	118·7	17·6	180	178·1	26·4	240	237·4	35·2	300	296.8	44.0
	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

				FOI 1 TOILL
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·2	61 59·8 11·9	121 118·7 23·6	181 177.5 35.3	241 236·4 47·0
2 02·0 00·4	62 60·8 12·1	122 119·7 23·8	182 178.5 35.5	242 237·4 47·2
3 02·9 00·6	63 61·8 12·3	123 120·6 24·0	183 179.5 35.7	243 238·3 47·4
4 03·9 00·8	64 62·8 12·5	124 121·6 24·2	184 180.5 35.9	244 239·3 47·6
5 04·9 01·0	65 63·8 12·7	125 122·6 24·4	185 181.4 36.1	245 240·3 47·8
6 05.9 01.2	66 64.7 12.9	126 123·6 24·6	186 182.4 36.3	246 241'3 48'0
7 06.9 01.4	67 65.7 13.1	127 124·6 24·8	187 183.4 36.5	247 242'3 48'2
8 07.8 01.6	68 66.7 13.3	128 125·5 25·0	188 184.4 36.7	248 243'2 48'4
9 08.8 01.8	69 67.7 13.5	129 126·5 25·2	189 185.4 36.9	249 244'2 48'6
10 09.8 02.0	70 68.7 13.7	130 127·5 25·4	190 186.4 37.1	250 245'2 48'8
11 10·8 02·1	71 69·6 13·9	131 128·5 25·6	191 187·3 37·3	251 246°2 49°0
12 11·8 02·3	72 70·6 14·0	132 129·5 25·8	192 188·3 37·5	252 247°2 49°2
13 12·8 02·5	73 71·6 14·2	133 130·4 26·0	193 189·3 37·7	253 248°1 49°4
14 13·7 02·7	74 72·6 14·4	134 131·4 26·1	194 190·3 37·8	254 249°1 49°6
15 14·7 02·9	75 73·6 14·6	135 132·4 26·3	195 191·3 38·0	255 250°1 49°7
16 15·7 03·1	76 74·5 14·8	136 133.4 26.5	196 192 2 38 2	256 251·1 49·9
17 16·7 03·3	77 75·5 15·0	137 134.4 26.7	197 193 2 38 4	257 252·1 50·1
18 17·7 03·5	78 76·5 15·2	138 135.4 26.9	198 194 2 38 6	258 253·0 50·3
19 18·6 03·7	79 77·5 15·4	139 136.3 27.1	199 195 2 38 8	259 254·0 50·5
20 19·6 03·9	80 78·5 15·6	140 137.3 27.3	200 196 2 39 0	260 255·0 50·7
21 20·6 04·1	81 79.4 15.8	141 138·3 27·5	201 197·1 39·2	261 256·0 50·9
22 21·6 04·3	82 80.4 16.0	142 139·3 27·7	202 198·1 39·4	262 257·0 51·1
23 22·6 04·5	83 81.4 16.2	143 140·3 27·9	203 199·1 39·6	263 257·9 51·3
24 23·5 04·7	84 82.4 16.4	144 141·2 28·1	204 200·1 39·8	264 258·9 51·5
25 24·5 04·9	85 83.4 16.6	145 142·2 28·3	205 201·1 40·0	265 259·9 51·7
26 25·5 05·1	86 84·3 16·8	146 143·2 28·5	206 202.0 40.2	266 260.9 51.9
27 26·5 05·3	87 85·3 17·0	147 144·2 28·7	207 203.0 40.4	267 261.9 52.1
28 27·5 05·5	88 86·3 17·2	148 145·2 28·9	208 204.0 40.6	268 262.9 52.3
29 28·4 05·7	89 87·3 17·4	149 146·1 29·1	209 205.0 40.8	269 263.8 52.5
30 29·4 05·9	90 88·3 17·6	150 147·1 29·3	210 206.0 41.0	270 264.8 52.7
31 30·4 06·0	91 89·3 17·8	151 148·1 29·5	211 206 9 41 2	271 265·8 52·9
32 31·4 06·2	92 90·2 18·0	152 149·1 29·7	212 207 9 41 4	272 266·8 53·1
33 32·4 06·4	93 91·2 18·1	153 150·1 29·9	213 208 9 41 6	273 267·8 53·3
34 33·3 06·6	94 92·2 18·3	154 151·0 30·0	214 209 9 41 7	274 268·7 53·5
35 34·3 06·8	95 93·2 18·5	155 152·0 30·2	215 210 9 41 9	275 269·7 53·6
36 35·3 07·0	96 94.2 18.7	156 153.0 30.4	216 211·8 42·1	276 270·7 53·8
37 36·3 07·2	97 95.1 18.9	157 154.0 30.6	217 212·8 42·3	277 271·7 54·0
38 37·3 07·4	98 96.1 19.1	158 155.0 30.8	218 213·8 42·5	278 272·7 54·2
39 38·3 07·6	99 97.1 19.3	159 155.9 31.0	219 214·8 42·7	279 273·6 54·4
40 39·2 07·8	100 98.1 19.5	160 156.9 31.2	220 215·8 42·9	280 274·6 54·6
41 40·2 08·0	101 99·1 19·7	161 157 9 31 4	221 216·8 43·1	281 275·6 54·8
42 41·2 08·2	102 100·0 19·9	162 158 9 31 6	222 217·7 43·3	282 276·6 55·0
43 42·2 08·4	103 101·0 20·1	163 159 9 31 8	223 218·7 43·5	283 277·6 55·2
44 43·2 08·6	104 102·0 20·3	164 160 8 32 0	224 219·7 43·7	284 278·5 55·4
45 44·1 08·8	105 103·0 20·5	165 161 8 32 2	225 220·7 43·9	285 279·5 55·6
46 45·1 09·0	106 104 0 20 7	166 162·8 32·4	226 221.7 44.1	286 280·5 55·8
47 46·1 09·2	107 104 9 20 9	167 163·8 32·6	227 222.6 44.3	287 281·5 56·0
48 47·1 09·4	108 105 9 21 1	168 164·8 32·8	228 223.6 44.5	288 282·5 56·2
49 48·1 09·6	109 106 9 21 3	169 165·8 33·0	229 224.6 44.7	289 283·5 56·4
50 49·0 09·8	110 107 9 21 5	170 166·7 33·2	230 225.6 44.9	290 284·4 56·6
51 50·0 10·0	111 108:9 21:7	171 167 7 33 4	231 226·6 45·1	291 285·4 56·8
52 51·0 10·1	112 109:8 21:9	172 168 7 33 6	232 227·5 45·3	292 286·4 57·0
53 52·0 10·3	113 110:8 22:0	173 169 7 33 8	233 228·5 45·5	293 287·4 57·2
54 53·0 10·5	114 111:8 22:2	174 170 7 34 0	234 229·5 45·7	294 288·4 57·4
55 53·9 10·7	115 112:8 22:4	175 171 6 34 1	235 230·5 45·8	295 289·3 57·6
56 54.9 10.9	116 113·8 22·6	176 172.6 34.3	236 231·5 46·0	296 290·3 57·7
57 55.9 11.1	117 114·8 22·8	177 173.6 34.5	237 232·4 46·2	297 291·3 57·9
58 56.9 11.3	118 115·7 23·0	178 174.6 34.7	238 233·4 46·4	298 292·3 58·1
59 57.9 11.5	119 116·7 23·2	179 175.6 34.9	239 234·4 46·6	299 293·3 58·3
60 58.8 11.7	120 117·7 23·4	180 176.5 35.1	240 235·4 46·8	300 294·2 58·5
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·2	61 59·2 14·8	121 117.4 29.4	181 175·6 44·0	241 233·8 58·6
2 01·9 00·5	62 60·1 15·1	122 118.3 29.6	182 176·5 44·2	242 234·7 58·8
3 02·9 00·7	63 61·1 15·3	123 119.3 29.9	183 177·5 44·5	243 235·7 59·0
4 03·9 01·0	64 62·1 15·6	124 120.3 30.1	184 178·5 44·7	244 236·7 59·3
5 04·9 01·2	65 63·1 15·8	125 121.3 30.4	185 179·5 45·0	245 237·7 59·5
6 05·8 01·5	66 64 0 16 0	126 122·2 30·6	186 180.4 45.2	246 238 6 59 8
7 06·8 01·7	67 65 0 16 3	127 123·2 30·9	187 181.4 45.4	247 239 6 60 0
8 07·8 01·9	68 66 0 16 5	128 124·2 31·1	188 182.4 45.7	248 240 6 60 3
9 08·7 02·2	69 66 9 16 8	129 125·1 31·3	189 183.3 45.9	249 241 5 60 5
10 09·7 02·4	70 67 9 17 0	130 126·1 31·6	190 184.3 46.2	250 242 5 60 7
11 10·7 02·7	71 68·9 17·3	131 127·1 31·8	191 185·3 46·4	251 243·5 61·0
12 11·6 02·9	72 69·8 17·5	132 128·0 32·1	192 186·2 46·7	252 244·4 61·2
13 12·6 03·2	73 70·8 17·7	133 129·0 32·3	193 187·2 46·9	253 245·4 61·5
14 13·6 03·4	74 71·8 18·0	134 130·0 32·6	194 188·2 47·1	254 246·4 61·7
15 14·6 03·6	75 72·8 18·2	135 131·0 32·8	195 189·2 47·4	255 247·4 62·0
16 15·5 03·9	76 73·7 18·5	136 131·9 33·1	196 190·1 47·6	256 248·3 62·2
17 16·5 04·1	77 74·7 18·7	137 132·9 33·3	197 191·1 47·9	257 249·3 62·5
18 17·5 04·4	78 75·7 19·0	138 133·9 33·5	198 192·1 48·1	258 250·3 62·7
19 18·4 04·6	79 76·6 19·2	139 134·8 33·8	199 193·0 48·4	259 251·2 62·9
20 19·4 04·9	80 77·6 19·4	140 135·8 34·0	200 194·0 48·6	260 252·2 63·2
21 20·4 05·1	81 78.6 19.7	141 136·8 34·3	201 195·0 48·8	261 253·2 63·4
22 21·3 05·3	82 79.5 19.9	142 137·7 34·5	202 195·9 49·1	262 254·2 63·7
23 22·3 05·6	83 80.5 20.2	143 138·7 34·7	203 196·9 49·3	263 255·1 63·9
24 23·3 05·8	84 81.5 20.4	144 139·7 35·0	204 197·9 49·6	264 256·1 64·2
25 24·3 06·1	85 82.5 20.7	145 140·7 35·2	205 198·9 49·8	265 257·1 64·4
26 25·2 06·3 27 26·2 06·6 28 27·2 06·8 29 28·1 07·0 30 29·1 07·3	86 83·4 20·9 87 84·4 21·1 88 85·4 21·4 89 86·3 21·6 90 87·3 21·9	146 141·6 35·5 147 142·6 35·7 148 143·6 36·0 149 144·5 36·2 150 145·5 36·5	206 199·8 50·1 207 200·8 50·3 208 201·8 50·5 209 202·7 50·8 210 203·7 51·0	266 258·0 64·6 - 267 259·0 64·9 268 260·0 65·1 269 260·9 65·4 270 261·9 65·6
31 30·1 07·5	91 88·3 22·1	151 146·5 36·7	211 204·7 51·3	271 262.9 65.9
32 31·0 07·8	92 89·2 22·4	152 147·4 36·9	212 205·6 51·5	272 263.9 66.1
33 32·0 08·0	93 90·2 22·6	153 148·4 37·2	213 206·6 51·8	273 264.8 66.3
34 33·0 08·3	94 91·2 22·8	154 149·4 37·4	214 207·6 52·0	274 265.8 66.6
35 34·0 08·5	95 92·2 23·1	155 150·4 37·7	215 208·6 52·2	275 266.8 66.8
36 34.9 08.7	96 93·1 23·3	156 151·3 37·9	216 209·5 52·5	276 267.7 67.1
37 35.9 09.0	97 94·1 23·6	157 152·3 38·2	217 210·5 52·7	277 268.7 67.3
38 36.9 09.2	98 95·1 23·8	158 153·3 38·4	218 211·5 53·0	278 269.7 67.6
39 37.8 09.5	99 96·0 24·1	159 154·2 38·6	219 212·4 53·2	279 270.6 67.8
40 38.8 09.7	100 97·0 24·3	160 155·2 38·9	220 213·4 53·5	280 271.6 68.0
41 39·8 10·0	101 98.0 24.5	161 156·2 39·1	221 214·4 53·7	281 272.6 68.3
42 40·7 10·2	102 98.9 24.8	162 157·1 39·4	222 215·4 53·9	282 273.6 68.5
43 41·7 10·4	103 99.9 25.0	163 158·1 39·6	223 216·3 54·2	283 274.5 68.8
44 42·7 10·7	104 100.9 25.3	164 159·1 39·9	224 217·3 54·4	284 275.5 69.0
45 43·7 10·9	105 101.9 25.5	165 160·1 40·1	225 218·3 54·7	285 276.5 69.3
46 44.6 11.2	106 102·8 25·8	166 161 0 40 3	226 219·2 54·9	286 277.4 69.5
47 45.6 11.4	107 103·8 26·0	167 162 0 40 6	227 220·2 55·2	287 278.4 69.7
48 46.6 11.7	108 104·8 26·2	168 163 0 40 8	228 221·2 55·4	288 279.4 70.0
49 47.5 11.9	109 105·7 26·5	169 163 9 41 1	229 222·1 55·6	289 280.3 70.2
50 48.5 12.2	110 106·7 26·7	170 164 9 41 3	230 223·1 55·9	290 281.3 70.5
51 49·5 12·4	111 107·7 27·0	171 165-9 41-6	231 224·1 56·1	291 282·3 70·7
52 50·4 12·6	112 108·6 27·2	172 166-8 41-8	232 225·1 56·4	292 283·3 71·0
53 51·4 12·9	113 109·6 27·5	173 167-8 42-0	233 226·0 56·6	293 284·2 71·2
54 52·4 13·1	114 110·6 27·7	174 168-8 42-3	234 227·0 56·9	294 285·2 71·4
55 53·4 13·4	115 111·6 27·9	175 169-8 42-5	235 228·0 57·1	295 286·2 71·7
56 54·3 13·6	116 112·5 28·2	176 170·7 42·8	236 228 9 57 3	296 287·1 71·9
57 55·3 13·9	117 113·5 28·4	177 171·7 43·0	237 229 9 57 6	297 288·1 72·2
58 56·3 14·1	118 114·5 28·7	178 172·7 43·3	238 230 9 57 8	298 289·1 72·4
59 57·2 14·3	119 115·4 28·9	179 173·6 43·5	239 231 8 58 1	299 290·0 72·7
60 58·2 14·6	120 116·4 29·2	180 174·6 43·7	240 232 8 58 3	300 291·0 72·9
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1 01.0 00.3	61 58.4 17.7	121 115·8 35·1	181 173·2 52·5	241 230 6 70 0
2 01.9 00.6	62 59.3 18.0	122 116·8 35·4	182 174·2 52·8	242 231 6 70 2
3 02.9 00.9	63 60.3 18.3	123 117·7 35·7	183 175·1 53·1	243 232 5 70 5
4 03.8 01.2	64 61.2 18.6	124 118·7 36·0	184 176·1 53·4	244 233 5 70 8
5 04.8 01.5	65 62.2 18.9	125 119·6 36·3	185 177·0 53·7	245 234 5 71 1
6 05.7 01.7	66 63·2 19·2	126 120.6 36.6	186 178.0 54.0	246 235·4 71·4
7 06.7 02.0	67 64·1 19·4	127 121.5 36.9	187 179.0 54.3	247 236·4 71·7
8 07.7 02.3	68 65·1 19·7	128 122.5 37.2	188 179.9 54.6	248 237·3 72·0
9 08.6 02.6	69 66·0 20·0	129 123.5 37.4	189 180.9 54.9	249 238·3 72·3
10 09.6 02.9	70 67·0 20·3	130 124.4 37.7	190 181.8 55.2	250 239·2 72·6
11 10:5 03:2	71 67·9 20·6	131 125·4 38·0	191 182·8 55·4	251 240·2 72·9
12 11:5 03:5	72 68·9 20·9	132 126·3 38·3	192 183·7 55·7	252 241·2 73·2
13 12:4 03:8	73 69·9 21·2	133 127·3 38·6	193 184·7 56·0	253 242·1 73·4
14 13:4 04:1	74 70·8 21·5	134 128·2 38·9	194 185·7 56·3	254 243·1 73·7
15 14:4 04:4	75 71·8 21·8	135 129·2 39·2	195 186·6 56·6	255 244·0 74·0
16 15·3 04·6	76 72·7 22·1	136 130·1 39·5	196 187·6 56·9	256 245·0 74·3
17 16·3 04·9	77 73·7 22·4	137 131·1 39·8	197 188·5 57·2	257 245·9 74·6
18 17·2 05·2	78 74·6 22·6	138 132·1 40·1	198 189·5 57·5	258 246·9 74·9
19 18·2 05·5	79 75·6 22·9	139 133·0 40·3	199 190·4 57·8	259 247·9 75·2
20 19·1 05·8	80 76·6 23·2	140 134·0 40·6	200 191·4 58·1	260 248·8 75·5
21 20·1 06·1	81 77.5 23.5	141 134'9 40'9	201 192·3 58·4	261 249·8 75·8
22 21·1 06·4	82 78.5 23.8	142 135'9 41'2	202 193·3 58·6	262 250·7 76·1
23 22·0 06·7	83 79.4 24.1	143 136'8 41'5	203 194·3 58·9	263 251·7 76·3
24 23·0 07·0	84 80.4 24.4	144 137'8 41'8	204 195·2 59·2	264 252·6 76·6
25 23·9 07·3	85 81.3 24.7	145 138'8 42'1	205 196·2 59·5	265 253·6 76·9
26 24.9 07.5	86 82·3 25·0	146 139.7 42.4	206 197·1 59·8	266 254·6 77·2
27 25.8 07.8	87 83·3 25·3	147 140.7 42.7	207 198·1 60·1	267 255·5 77·5
28 26.8 08.1	88 84·2 25·5	148 141.6 43.0	208 199·0 60·4	268 256·5 77·8
29 27.8 08.4	89 85·2 25·8	149 142.6 43.3	209 200·0 60·7	269 257·4 78·1
30 28.7 08.7	90 86·1 26·1	150 143.5 43.5	210 201·0 61·0	270 258·4 78·4
31 29·7 09·0	91 87·1 26·4	151 144·5 43·8	211 201·9 61·2	271 259·3 78·7
32 30·6 09·3	92 88·0 26·7	152 145·5 44·1	212 202·9 61·5	272 260·3 79·0
33 31·6 09·6	93 89·0 27·0	153 146·4 44·4	213 203·8 61·8	273 261·2 79·2
34 32·5 09·9	94 90·0 27·3	154 147·4 44·7	214 204·8 62·1	274 262·2 79·5
35 33·5 10·2	95 90·9 27·6	155 148·3 45·0	215 205·7 62·4	275 263·2 79·8
36 34·5 10·5	96 91 9 27 9 97 92 8 28 2 98 93 8 28 4 99 94 7 28 7 100 95 7 29 0	156 149·3 45·3	216 206.7 62.7	276 264·1 80·1
37 35·4 10·7		157 150·2 45·6	217 207.7 63.0	277 265·1 80·4
38 36·4 11·0		158 151·2 45·9	218 208.6 63.3	278 266·0 80·7
39 37·3 11·3		159 152·2 46·2	219 209.6 63.6	279 267·0 81·0
40 38·3 11·6		160 153·1 46·4	220 210.5 63.9	280 267·9 81·3
41 39·2 11·9	101 96.7 29.3	161 154·1 46·7	221 211·5 64·2 222 212·4 64·4 223 213·4 64·7 224 214·4 65·0 225 215·3 65·3	281 268:9 81:6
42 40·2 12·2	102 97.6 29.6	162 155·0 47·0		282 269:9 81:9
43 41·2 12·5	103 98.6 29.9	163 156·0 47·3		283 270:8 82:2
44 42·1 12·8	104 99.5 30.2	164 156·9 47·6		284 271:8 82:4
45 43·1 13·1	105 100.5 30.5	165 157·9 47·9		285 272:7 82:7
46 44.0 13.4	106 101·4 30·8	166 158.9 48.2	226 216·3 65·6 227 217·2 65·9 228 218·2 66·2 229 219·1 66·5 230 220·1 66·8	286 273·7 83·0
47 45.0 13.6	107 102·4 31·1	167 159.8 48.5		287 274·6 83·3
48 45.9 13.9	108 103·4 31·4	168 160.8 48.8		288 275·6 83·6
49 46.9 14.2	109 104·3 31·6	169 161.7 49.1		289 276·6 83·9
50 47.9 14.5	110 105·3 31·9	170 162.7 49.3		290 277·5 84·2
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55 52·6 16·0	115 110·1 33·4	175 167·5 50·8	235 224·9 68·2	295 282·3 85·6
56 53·6 16·3	116 111·0 33·7	176 168:4 51:1	236 225 8 68 5	296 283°3 85°9
57 54·5 16·5	117 112·0 34·0	177 169:4 51:4	237 226 8 68 8	297 284°2 86°2
58 55·5 16·8	118 112·9 34·3	178 170:3 51:7	238 227 8 69 1	298 285°2 86°5
59 56·5 17·1	119 113·9 34·5	179 171:3 52:0	239 228 7 69 4	299 286°1 86°8
60 57·4 17·4	120 114·8 34·8	180 172:3 52:3	240 229 7 69 7	300 287°1 87°1
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6 05.6 7 06.6 8 07.5 9 08.5 10 09.4	02·0 02·4 02·7 03·0 03·4	66 67 68 69 70	62:1 63:1 64:0 65:0 65:9	22·2 22·6 22·9 23·2 23·6	126 127 128 129 130	118.6 119.6 120.5 121.5 122.4	42.5 42.8 43.1 43.5 43.8	186 187 188 189 190	175·1 176·1 177·0 177·9 178·9	62·7 63·0 63·3 63·7 64·0	246 247 248 249 250	231.6 232.6 233.5 234.4 235.4	82·9 83·2 83·6 83·9 84·2
11 10·4 12 11·3 13 12·2 14 13·2 15 14·1	03·7 04·0 04·4 04·7 05·1	71 72 73 74 75	66.8 67.8 68.7 69.7 70.6	23·9 24·3 24·6 24·9 25·3	131 132 133 134 135	123·3 124·3 125·2 126·2 127·1	44.1 44.5 44.8 45.1 45.5	191 192 193 194 195	179.8 180.8 181.7 182.7 183.6	64·3 64·7 65·0 65·4 65·7	251 252 253 254 255	236·3 237·3 238·2 239·1 240·1	84 · 6 84 · 9 85 · 9 85 · 9
16 15·1 17 16·0 18 17·0 19 17·9 20 18·8	05·4 05·7 06·1 06·4 06·7	76 77 78 79 80	71.6 72.5 73.4 74.4 75.3	25.6 25.9 26.3 26.6 27.0	136 137 138 139 140	128.0 129.0 129.9 130.9 131.8	45.8 46.2 46.5 46.8 47.2	196 197 198 199 200	184.5 185.5 186.4 187.4 188.3	66.0 66.4 66.7 67.0 67.4	256 257 258 259 260	241 0 242·0 242·9 243·9 244·8	86.2 86.6 86.9 87.3 87.6
21 19·8 22 20·7 23 21·7 24 22·6 25 23·5	07·1 07·4 07·7 08·1 08·4	81 82 83 84 85	76·3 77·2 78·1 79·1 80·0	27·3 27·6 28·0 28·3 28·6	141 142 143 144 145	132·8 133·7 134·6 135·6 136·5	47.5 47.8 48.2 48.5 48.9	201 202 203 204 205	189·2 190·2 191·1 192·1 193·0	67·7 68·1 68·4 68·7 69·1	261 262 263 264 265	245.7 246.7 247.6 248.6 249.5	87 ·9 88 ·3 88 ·9 89 ·3
26 24·5 27 25·4 28 26·4 29 27·3 30 28·2	08:8 09:1 09:4 09:8 10:1	86 87 88 89 90	81·0 81·9 82·9 83·8 84·7	29·0 29·3 29·6 30·0 30·3	146 147 148 149 150	137.5 138.4 139.3 140.3 141.2	49·2 49·5 49·9 50·2 50·5	206 207 208 209 210	194.0 194.9 195.8 196.8 197.7	69·4 69·7 70·1 70·4 70·7	266 267 268 269 270	250·4 251·4 252·3 253·3 254·2	90 (90 (90 (91 (
31 29·2 32 30·1 33 31·1 34 32·0 35 33·0	10.4 10.8 11.1 11.5 11.8	91 92 93 94 95	85·7 86·6 87·6 88·5 89·4	30·7 31·0 31·3 31·7 32·0	151 152 153 154 155	142·2 143·1 144·1 145·0 145·9	50.9 51.2 51.5 51.9 52.2	211 212 213 214 215	198.7 199.6 200.6 201.5 202.4	71·1 71·4 71·8 72·1 72·4	271 272 273 274 275	255·2 256·1 257·0 258·0 258·9	91.3 91.6 92.3 92.3
36 33·9 37 34·8 38 35·8 39 36·7 40 37·7	12·1 12·5 12·8 13·1 13·5	96 97 98 99 100	90·4 91·3 92·3 93·2 94·2	32·3 32·7 33·0 33·4 33·7	156 157 158 159 160	146.9 147.8 148.8 149.7 150.6	52.6 52.9 53.2 53.6 53.9	216 217 218 219 220	203·4 204·3 205·3 206·2 207·1	72·8 73·1 73·4 73·8 74·1	276 277 278 279 280	259.9 260.8 261.7 262.7 263.6	93.0 93.3 93.7 94.0 94.2
41 38·6 42 39·5 43 40·5 44 41·4 45 42·4	13.8 14.1 14.5 14.8 15.2	101 102 103 104 105	95·1 96·0 97·0 97·9 98·9	34·0 34·4 34·7 35·0 35·4	161 162 163 164 165	151.6 152.5 153.5 154.4 155.4	54.6 54.9 55.3 55.6	221 222 223 224 225	208·1 209·0 210·0 210·9 211·8	74·5 74·8 75·1 75·5 75·8	281 282 283 284 285	264.6 265.5 266.5 267.4 268.3	94.7 95.6 95.5 95.7 96.0
46 43·3 47 44·3 48 45·2 49 46·1 50 47·1	15.5 15.8 16.2 16.5 16.8	106 107 108 109 110	99.8 100.7 101.7 102.6 103.6	35·7 36·1 36·4 36·7 37·1	166 167 168 169 170	156·3 157·2 158·2 159·1 160·1	56·6 56·9 57·3	226 227 228 229 230	212·8 213·7 214·7 215·6 216·6	76·1 76·5 76·8 77·1 77·5	286 287 288 289 290	269·3 270·2 271·2 272·1 273·0	96.4 96.7 97.4 97.4
51 48.0 52 49.0 53 49.9 54 50.8 55 51.8	17·2 17·5 17·9 18·2 18·5	111 112 113 114 115	104·5 105·5 106·4 107·3 108·3	37·4 37·7 38·1 38·4 38·7	171 172 173 174 175	161.9 162.9 163.8 164.8	57·9 58·3 58·6 59·0	231 232 233 234 235	217·5 218·4 219·4 220·3 221·3	77.8 78.2 78.5 78.8 79.2	291 292 293 294 295	274.9 275.9 276.8 277.8	98.0 98.4 98.7 99.0 99.4
56 52·7 57 53·7 58 54·6 59 55·6 60 56·5	18·9 19·2 19·5 19·9 20·2	116 117 118 119 120	109·2 110·2 111·1 112·0 113·0	39·1 39·4 39·8 40·1 40·4	176 177 178 179 180	165.7 166.7 167.6 168.5 169.5	60.3	236 237 238 239 240	222 · 2 223 · 1 224 · 1 225 · 0 226 · 0	79.5 79.8 80.2 80.5 80.9	296 297 298 299 300	278.7 279.6 280.6 281.5 282.5	99.7 100.1 100.4 100.7 101.1
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1 00·9 00·4	61 56.4 23.3	121 111·8 46·3	181 167·2 69·3	241 222 7 92·2
2 01·8 00·8	62 57.3 23.7	122 112·7 46·7	182 168·2 69·7	242 223·6 92·6
3 02·8 01·1	63 58.2 24.1	123 113·6 47·1	183 169·1 70·0	243 224·5 93·0
4 03·7 01·5	64 59.1 24.5	124 114·6 47·5	184 170·0 70·4	244 225·4 93·4
5 04·6 01·9	65 60.1 24.9	125 115·5 47·8	185 170·9 70·8	245 226·4 93·8
6 05·5 02·3	66 61.0 25.3	126 116:4 48:2	186 171.8 71.2	246 227·3 94·1
7 06·5 02·7	67 61.9 25.6	127 117:3 48:6	187 172.8 71.6	247 228·2 94·5
8 07·4 03·1	68 62.8 26.0	128 118:3 49:0	188 173.7 71.9	248 229·1 94·9
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10 09·2 03·8	70 64.7 26.8	130 120:1 49:8	190 175.5 72.7	250 231·0 95·7
11 10·2 04·2	71 65·6 27·2	131 121·0 50·1	191 176·5 73·1	251 231·9 96·1
12 11·1 04·6	72 66·5 27·6	132 122·0 50·5	192 177·4 73·5	252 232·8 96·4
13 12·0 05·0	73 67·4 27·9	133 122·9 50·9	193 178·3 73·9	253 233·7 96·8
14 12·9 05·4	74 68·4 28·3	134 123·8 51·3	194 179·2 74·2	254 234·7 97·2
15 13·9 05·7	75 69·3 28·7	135 124·7 51·7	195 180·2 74·6	255 235·6 97·6
16 14·8 06·1	76 70·2 29·1	136 125.7 52.0 137 126.6 52.4 138 127.5 52.8 139 128.4 53.2 140 129.3 53.6	196 181·1 75·0	256 236·5 98·0
17 15·7 · 06·5	77 71·1 29·5		197 182·0 75·4	257 237·4 98·4
18 16·6 06·9	78 72·1 29·9		198 182·9 75·8	258 238·4 98·7
19 17·6 07·3	79 73·0 30·2		199 183·9 76·2	259 239·3 99·1
20 18·5 07·7	80 73·9 30·6		200 184·8 76·5	260 240·2 99·5
21 19·4 08·0	81 74·8 31·0	141 130·3 54·0	201 185·7 76·9	261 241·1 99·9
22 20·3 08·4	82 75·8 31·4	142 131·2 54·3	202 186·6 77·3	262 242·1 100·3
23 21·3 08·8	83 76·7 31·8	143 132·1 54·7	203 187·6 77·7	263 243·0 100·6
24 22·2 09·2	84 77·6 32·1	144 133·0 55·1	204 188·5 78·1	264 243·9 101·0
25 23·1 09·6	85 78·5 32·5	145 134·0 55·5	205 189·4 78·5	265 244·8 101·4
26 24 0 10 0	86 79·5 32·9	146 134.9 55.9	206 190·3 78·8	266 245·8 101·8
27 24 9 10 3	87 80·4 33·3	147 135.8 56.3	207 191·2 79·2	267 246·7 102·2
28 25 9 10 7	88 81·3 33·7	148 136.7 56.6	208 192·2 79·6	268 247·6 102·6
29 26 8 11 1	89 82·2 34·1	149 137.7 57.0	209 193·1 80·0	269 248·5 102·9
30 27 7 11 5	90 83·2 34·4	150 138.6 57.4	210 194·0 80·4	270 249·5 103·3
31 28.6 11.9	91 84·1 34·8	151 139·5 57·8	211 194.9 80.8	271 250·4 103·7
32 29.6 12.2	92 85·0 35·2	152 140·4 58·2	212 195.9 81.1	272 251·3 104·1
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36 33·3 13·8	96 88.7 36.7	156 144·1 59·7	216 199.6 82.7	276 255.0 105.6
37 34·2 14·2	97 89.6 37.1	157 145·1 60·1	217 200.5 83.0	277 255.9 106.0
38 35·1 14·5	98 90.5 37.5	158 146·0 60·5	218 201.4 83.4	278 256.8 106.4
39 36·0 14·9	99 91.5 37.9	159 146·9 60·9	219 202.3 83.8	279 257.8 106.8
40 37·0 15·3	100 92.4 38.3	160 147·8 61·2	220 203.3 84.2	280 258.7 107.2
41 37.9 15.7	101 93·3 38·7	161 148.7 61.6	221 204·2 84·6	281 259·6 107·5
42 38.8 16.1	102 94·2 39·0	162 149.7 62.0	222 205·1 85·0	282 260·5 107·9
43 39.7 16.5	103 95·2 39·4	163 150.6 62.4	223 206·0 85·3	283 261·5 108·3
44 40.7 16.8	104 96·1 39·8	164 151.5 62.8	224 207·0 85·7	284 262·4 108·7
45 41.6 17.2	105 97·0 40·2	165 152.4 63.1	225 207·9 86·1	285 263·3 109·1
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59 54.5 22.6	119 109·9 45·5	179 165.4 68.5	239 220·8 91·5	299 276·2 114·4
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	51 52 53 54 55	46·1 47·9 48·8 49·7	21·8 22·2 22·7 23·1 23·5	111 112 113 114 115	100·3 101·2 102·2 103·1 104·0	47.5 47.9 48.3 48.7 49.2	171 172 173 174 175	154.6 155.5 156.4 157.3 158.2	73·1 73·6 74·0 74·4 74·8	231 232 233 234 235	208.8 209.7 210.6 211.5 212.4	98·8 99·2 99·6 100·1 100·5	291 292 293 294 295	263·1 264·9 264·9 265·8 266·7	124 1 125 1 125 1 126 1
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11	09.7	05·2	71	62.6	33·5	131	115.5	61·7	191	168·5	90.0	251	221·4	118·3
12	10.6	05·7	72	63.5	33·9	132	116.4	62·2	192	169·3	90.5	252	222·2	118·8
13	11.5	06·1	73	64.4	34·4	133	117.3	62·7	193	170·2	91.0	253	223·1	119·3
14	12.3	06·6	74	65.3	34·9	134	118.2	63·2	194	171·1	91.4	254	224·0	119·7
15	13.2	07·1	75	66.1	35·4	135	119.1	63·6	195	172·0	91.9	255	224·9	120·2
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21	18·5	09·9	81	71·4	38·2	141	$\begin{array}{c} 124.4 \\ 125.2 \\ 126.1 \\ 127.0 \\ 127.9 \end{array}$	66.5	201	177·3	94.7	261	230·2	123.0
22	19·4	10·4	82	72·3	38·6	142		66.9	202	178·2	95.2	262	231·1	123.5
23	20·3	10·8	83	73·2	39·1	143		67.4	203	179·0	95.7	263	231·9	124.0
24	21·2	11·3	84	74·1	39·6	144		67.9	204	179·9	96.2	264	232·8	124.4
25	22·1	11·8	85	75·0	40·1	145		68.3	205	180·8	96.6	265	233·7	124.9
26	22.9	12·3	86	75·9	40.5	146	128·8	68.8	206	181·7	97·1	266	234.6	125·4
27	23.8	12·7	87	76·7	41.0	147	129·6	69.3	207	182·6	97·6	267	235.5	125·9
28	24.7	13·2	88	77·6	41.5	148	130·5	69.8	208	183·4	98·0	268	236.4	126·3
29	25.6	13·7	89	78·5	41.9	149	131·4	70.2	209	184·3	98·5	269	237.2	126·8
30	26.5	14·1	90	79·4	42.4	150	132·3	70.7	210	185·2	99·0	270	238.1	127·3
31	27·3	14.6	91	80·3	42.9	151	133·2	71·2	211	186·1	99.5	271	239·9	127·7
32	28·2	15.1	92	81·1	43.4	152	134·1	71·6	212	187·0	99.9	272	239·9	128·2
33	29·1	15.6	93	82·0	43.8	153	134·9	72·1	213	187·8	100.4	273	240·8	128·7
34	30·0	16.0	94	82·9	44.3	154	135·8	72·6	214	188·7	100.9	274	241·7	129·2
35	30·9	16.5	95	83·8	44.8	155	136·7	73·1	215	189·6	101.3	275	242·5	129·6
36	31·8	17·0	96	84·7	45·2	156	137.6	73·5	216	190.5	101.8	276	243·4	130·1
37	32·6	17·4	97	85·6	45·7	157	138.5	74·0	217	191.4	102.3	277	244·3	130·6
38	33·5	17·9	98	86·4	46·2	158	139.3	74·5	218	192.3	102.8	278	245·2	131·0
39	34·4	18·4	99	87·3	46·7	159	140.2	74·9	219	193.1	103.2	279	246·1	131·5
40	35·3	18·9	100	88·2	47·1	160	141.1	75·4	220	194.0	103.7	280	246·9	132·0
41	36·2	19·3	101	89·1	47.6	161	142.0	75·9	221	194.9	104·2	281	247·8	132·5
42	37·0	19·8	102	90·0	48.1	162	142.9	76·4	222	195.8	104·6	282	248·7	132·9
43	37·9	20·3	103	90·8	48.5	163	143.8	76·8	223	196.7	105·1	283	249·6	133·4
44	38·8	20·7	104	91·7	49.0	164	144.6	77·3	224	197.6	105·6	284	250·5	133·9
45	39·7	21·2	105	92·6	49.5	165	145.5	77·8	225	198.4	106·1	285	251·4	134·3
46	40.6	21·7	106	93.5	50·0	166	146.4	78·2	226	199.3	106.5	286	252·2	134·8
47	41.5	22·2	107	94.4	50·4	167	147.3	78·7	227	200.2	107.0	287	253·1	135·3
48	42.3	22·6	108	95.3	50·9	168	148.2	79·2	228	201.1	107.5	288	254·0	135·8
49	43.2	23·1	109	96.1	51·4	169	149.0	79·7	229	202.0	107.9	289	254·9	136·2
50	44.1	23·6	110	97.0	51·8	170	149.9	80·1	230	202.8	108.4	290	255·8	136·7
51	45.0	24·0	111	97.9	52·3	171	150·8	80.6	231	203.7	108.9	291	256.6	137·2
52	45.9	24·5	112	98.8	52·8	172	151·7	81.1	232	204.6	109.4	292	257.5	137·6
53	46.7	25·0	113	99.7	53·3	173	152·6	81.5	233	205.5	109.8	293	258.4	138·1
54	47.6	25·5	114	100.5	53·7	174	153·5	82.0	234	206.4	110.3	294	259.3	138·6
55	48.5	25·9	115	101.4	54·2	175	154·3	82.5	235	207.3	110.8	295	260.2	139·1
56	49·4	26.4	116	102·3	54.7	176	155·2	83·0	236	208·1	111 ·2	296	261·1	139.5
57	50·3	26.9	117	103·2	55.1	177	156·1	83·4	237	209·0	111 ·7	297	261·9	140.0
58	51·2	27.3	118	104·1	55.6	178	157·0	83·9	238	209·9	112 ·2	298	262·8	140.5
59	52·0	27.8	119	105·0	56.1	179	157·9	84·4	239	210·8	112 ·7	299	263·7	140.9
60	52·9	28.3	120	105·8	56.6	180	158·8	84·8	240	211·7	113 ·1	300	264·6	141.4
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51 52 53 54 55	44.6 45.5 46.3 47.2	26·2 26·7 27·2 27·8 28·3	111 112 113 114 115	95·2 96·1 96·9 97·8 98·6	57·1 57·6 58·1 58·6 59·1	171 172 173 174 175	146·7 147·5 148·4 149·2 150·1	87·9 88·4 88·9 89·4 90·0	231 232 233 234 235	198·1 199·0 199·8 200·7 201·6	118·8 119·3 119·8 120·3 120·8	291 292 293 294 295	249.6 250.5 251.3 252.2 258.0	149.6 150.1 150.6 151.1 151.7
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3 02°5 01°7	63 52·4 35·0	123 102·3 68·3	183 152·2 101·7	243 202.0 135.0
4 03°3 02°2	64 53·2 35·6	124 103·1 68·9	184 153·0 102·2	244 202.9 135.6
5 04°2 02°8	65 54·0 36·1	125 103·9 69·4	185 153·8 102·8	245 203.7 136.1
6 05·0 03·3	66 54.9 36.7	126 104·8 70·0	186 154.7 103.3	246 204·5 136·7
7 05·8 03·9	67 55.7 37.2	127 105·6 70·6	187 155.5 103.9	247 205·4 137·2
8 06·7 04·4	68 56.5 37.8	128 106·4 71·1	188 156.3 104.4	248 206·2 137·8
9 07·5 05·0	69 57.4 38.3	129 107·3 71·7	189 157.1 105.0	249 207·0 138·3
10 08·3 05·6	70 58.2 38.9	130 108·1 72·2	190 158.0 105.6	250 207·9 138·9
11 09·1 06·1	71 59·0 39·4	131 108-9 72-8	191 158:8 106:1	251 208·7 139·4
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16 13·3 08·9	76 63·2 42·2	136 113·1 75·6	196 163·0 108·9	256 212·9 142·2
17 14·1 09·4	77 64·0 42·8	137 113·9 76·1	197 163·8 109·4	257 213·7 142·8
18 15·0 10·0	78 64·8 43·3	138 114·7 76·7	198 164·6 110·0	258 214·5 143·3
19 15·8 10·6	79 65·7 43·9	139 115·6 77·2	199 165·5 110·6	259 215·4 143·9
20 16·6 11·1	80 66·5 44·4	140 116·4 77·8	200 166·3 111·1	260 216·2 144·4
21 17·5 11·7	81 67·3 45·0	141 117·2 78·3	201 167·1 111·7	261 217·0 145·0
22 18·3 12·2	82 68·2 45·6	142 118·1 78·9	202 168·0 112·2	262 217·8 145·6
23 19·1 12·8	83 69·0 46·1	143 118·9 79·4	203 168·8 112·8	263 218·7 146·1
24 20·0 13·3	84 69·8 46·7	144 119·7 80·0	204 169·6 113·3	264 219·5 146·7
25 20·8 13·9	85 70·7 47·2	145 120·6 80·6	205 170·4 113·9	265 220·3 147·2
26 21.6 14.4	86 71.5 47.8	146 121·4 81·1	206 171:3 114:4	266 221·2 147·8
27 22.4 15.0	87 72.3 48.3	147 122·2 81·7	207 172:1 115:0	267 222·0 148·3
28 23.3 15.6	88 73.2 48.9	148 123·1 82·2	208 172:9 115:6	268 222·8 148·9
29 24.1 16.1	89 74.0 49.4	149 123·9 82·8	209 173:8 116:1	269 223·7 149·4
30 24.9 16.7	90 74.8 50.0	150 124·7 83·3	210 174:6 116:7	270 224·5 150·0
31 25·8 17·2	91 75·7 50·6	151 125·6 83·9	211 175·4 117·2	271 225·3 150·6
32 26·6 17·8	92 76·5 51·1	152 126·4 84·4	212 176·3 117·8	272 226·2 151·1
33 27·4 18·3	93 77·3 51·7	153 127·2 85·0	213 177·1 118·3	273 227·0 151·7
34 28·3 18·9	94 78·2 52·2	154 128·0 85·6	214 177·9 118·9	274 227·8 152·2
35 29·1 19·4	95 79·0 52·8	155 128·9 86·1	215 178·8 119·4	275 228·7 152·8
36 29·9 20·0	96 79·8 53·3	156 129.7 86.7	216 179·6 120·0	276 229·5 153·3
37 30·8 20·6	97 80·7 53·9	157 130.5 87.2	217 180·4 120·6	277 230·3 153·9
38 31·6 21·1	98 81·5 54·4	158 131.4 87.8	218 181·3 121·1	278 231·1 154·4
39 32·4 21·7	99 82·3 55·0	159 132.2 88.3	219 182·1 121·7	279 232·0 155·0
40 33·3 22·2	100 83·1 55·6	160 133.0 88.9	220 182·9 122·2	280 232·8 155·6
41 34·1 22·8	101 84.0 56.1	161 133 9 89 4	221 183·8 122·8	281 233.6 156.1
42 34·9 23·3	102 84.8 56.7	162 134 7 90 0	222 184·6 123·3	282 234.5 156.7
43 35·8 23·9	103 85.6 57.2	163 135 5 90 6	223 185·4 123·9	283 235.3 157.2
44 36·6 24·4	104 86.5 57.8	164 136 4 91 1	224 186·2 124·4	284 236.1 157.8
45 37·4 25·0	105 87.3 58.3	165 137 2 91 7	225 187·1 125·0	285 237.0 158.3
46 38·2 25·6	106 88·1 58·9	166 138·0 92·2	226 187.9 125.6	286 237·8 158·9
47 39·1 26·1	107 89·0 59·4	167 138·9 92·8	227 188.7 126.1	287 238·6 159·4
48 39·9 26·7	108 89·8 60·0	168 139·7 93·3	228 189.6 126.7	288 239·5 160·0
49 40·7 27·2	109 90·6 60·6	169 140·5 93·9	229 190.4 127.2	289 240·3 160·6
50 41·6 27·8	110 91·5 61·1	170 141·3 94·4	230 191.2 127.8	290 241·1 161·1
51 42·4 28·3	111 92·3 61·7	171 142·2 95·0	231 192·1 128·3	291 242.0 161.7
52 43·2 28·9	112 93·1 62·2	172 143·0 95·6	232 192·9 128·9	292 242.8 162.2
53 44·1 29·4	113 94·0 62·8	173 143·8 96·1	233 193·7 129·4	293 243.6 162.8
54 44·9 30·0	114 94·8 63·3	174 144·7 96·7	234 194·6 130·0	294 244.5 163.3
55 45·7 30·6	115 95·6 63·9	175 145·5 97·2	235 195·4 130·6	295 245.3 163.9
56 46.6 31.1	116 96.5 64.4	176 146·3 97·8	236 196·2 131·1	296 246·1 164·4
57 47.4 31.7	117 97.3 65.0	177 147·2 98·3	237 197·1 131·7	297 246·9 165·0
58 48.2 32.2	118 98.1 65.6	178 148·0 98·9	238 197·9 132·2	298 247·8 165·6
59 49.1 32.8	119 98.9 66.1	179 148·8 99·4	239 198·7 132·8	299 248·6 166·1
60 49.9 33.3	120 99.8 66.7	180 149·7 100·0	240 199·6 133·3	300 249·4 166·7
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·8	00.6	61	49.0	36·3	121	97.2	72·1	181	145·4	107.8	241	193·6	143.6
2	01·6	01.2	62	49.8	36·9	122	98.0	72·7	182	146·2	108.4	242	194·4	144.2
3	02·4	01.8	63	50.6	37·5	123	98.8	73·3	183	147·0	109.0	243	195·2	144.8
4	03·2	02.4	64	51.4	38·1	124	99.6	73·9	184	147·8	109.6	244	196·0	145.4
5	04·0	03.0	65	52.2	38·7	125	100.4	74·5	185	148·6	110.2	245	196·8	145.9
6 7 8 9	04·8 05·6 06·4 07·2 08·0	03.6 04.2 04.8 05.4 06.0	66 67 68 69 70	53.0 53.8 54.6 55.4 56.2	39·3 39·9 40·5 41·1 41·7	126 127 128 129 130	101·2 102·0 102·8 103·6 104·4	75·1 75·7 76·2 76·8 77·4	186 187 188 189 190	149.4 150.2 151.0 151.8 152.6	110·8 111·4 112·0 112·6 113·2	246 247 248 249 250	197.6 198.4 199.2 200.0 200.8	146.5 147.1 147.7 148.3 148.9
11	08·8	06.6	71	57.0	42·3	131	105.2	78.0	191	153·4	113·8	251	201.6	149.5
12	09·6	07.1	72	57.8	42·9	132	106.0	78.6	192	154·2	114·4	252	202.4	150.1
13	10·4	07.7	73	58.6	43·5	133	106.8	79.2	193	155·0	115·0	253	203.2	150.7
14	11·2	08.3	74	59.4	44·1	134	107.6	79.8	194	155·8	115·6	254	204.0	151.3
15	12·0	08.9	75	60.2	44·7	135	108.4	80.4	195	156·6	116·2	255	204.8	151.9
16 17 18 19 20	12:9 13:7 14:5 15:3 16:1	09·5 10·1 10·7 11·3 11·9	76 77 78 79 80	61.0 61.8 62.6 63.4 64.3	45·3 45·9 46·5 47·1 47·7	136 137 138 139 140	109·2 110·0 110·8 111·6 112·4	81.6 82.2 82.8 83.4	196 197 198 199 200	157.4 158.2 159.0 159.8 160.6	116·8 117·4 117·9 118·5 119·1	256 257 258 259 260	205.6 206.4 207.2 208.0 208.8	152.5 153.1 153.7 154.3 154.9
21	16·9	12.5	81	65:1	48·3	141	113·3	84.0	201	161·4	119·7	261	209.6	155.5
22	17·7	13.1	82	65:9	48·9	142	114·1	84.6	202	162·2	120·3	262	210.4	156.1
23	18·5	13.7	83	66:7	49·4	143	114·9	85.2	203	163·0	120·9	263	211.2	156.7
24	19·3	14.3	84	67:5	50·0	144	115·7	85.8	204	163·9	121·5	264	212.0	157.3
25	20·1	14.9	85	68:3	50·6	145	116·5	86.4	205	164·7	122·1	265	212.8	157.9
26	20·9	15·5	86	69·1	51.2	146	117·3	87.0	206	165·5	122.7	266	213·6	158·5
27	21·7	16·1	87	69·9	51.8	147	118·1	87.6	207	166·3	123.3	267	214·5	159·1
28	22·5	16·7	88	70·7	52.4	148	118·9	88.2	208	167·1	123.9	268	215·3	159·6
29	23·3	17·3	89	71·5	53.0	149	119·7	88.8	209	167·9	124.5	269	216·1	160·2
30	24·1	17·9	90	72·3	53.6	150	120·5	89.4	210	168·7	125.1	270	216·9	160·8
31	24·9	18.5	91	73·1	54·2	151	121·3	90·0	211	169·5	125·7	271	217·7	161.4
32	25·7	19.1	92	73·9	54·8	152	122·1	90·5	212	170·3	126·3	272	218·5	162.0
33	26·5	19.7	93	74·7	55·4	153	122·9	91·1	213	171·1	126·9	273	219·3	162.6
34	27·3	20.3	94	75·5	56·0	154	123·7	91·7	214	171·9	127·5	274	220·1	163.2
35	28·1	20.9	95	76·3	56·6	155	124·5	92·3	215	172·7	128·1	275	220·9	163.8
36	28·9	21·4	96	77·1	57·2	156	125·3	92·9	216	173·5	128·7	276	221·7	164·4
37	29·7	22·0	97	77·9	57·8	157	126·1	93·5	217	174·3	129·3	277	222·5	165·0
38	30·5	22·6	98	78·7	58·4	158	126·9	94·1	218	175·1	129·9	278	223·3	165·6
39	31·3	23·2	99	79·5	59·0	159	127·7	94·7	219	175·9	130·5	279	224·1	166·2
40	32·1	23·8	100	80·3	59·6	160	128·5	95·3	220	176·7	131·1	280	224·9	166·8
41	32·9	24·4	101	81·1	60·2	161	129·3	95·9	221	177.5	131.6	281	225·7	167.4
42	33·7	25·0	102	81·9	60·8	162	130·1	96·5	222	178.3	132.2	282	226·5	168.0
43	34·5	25·6	103	82·7	61·4	163	130·9	97·1	223	179.1	132.8	283	227·3	168.6
44	35·3	26·2	104	83·5	62·0	164	131·7	97·7	224	179.9	133.4	284	228·1	169.2
45	36·1	26·8	105	84·3	62·5	165	132·5	98·3	225	180.7	134.0	285	228·9	169.8
46	36·9	27.4	106	85·1	63·1	166	133·3	98·9	226	181·5	134.6	286	229·7	170.4
47	37·8	28.0	107	85·9	63·7	167	134·1	99·5	227	182·3	135.2	287	230·5	171.0
48	38·6	28.6	108	86·7	64·3	168	134·9	100·1	228	183·1	135.8	288	231·3	171.6
49	39·4	29.2	109	87·5	64·9	169	135·7	100·7	229	183·9	136.4	289	232·1	172.2
50	40·2	29.8	110	88·4	65·5	170	136·5	101·3	230	184·7	137.0	290	232·9	172.8
51 52 53 54 55	41·0 41·8 42·6 43·4 44·2	30·4 31·6 32·2 32·8	111 112 113 114 115	89·2 90·0 90·8 91·6 92·4	66·1 66·7 67·3 67·9 68·5	171 172 173 174 175	137·3 138·2 139·0 139·8 140·6	101.9 102.5 103.1 103.7 104.2	231 232 233 234 235	185·5 186·3 187·1 187·9 188·8	137·6 138·2 138·8 139·4 140·0	291 292 293 294 295	233·7 234·5 235·3 236·1 236·9	173·3 173·9 174·5 175·1 175·7
56	45·0	33·4	116	93·2	69·1	176	141·4	104·8	236	189.6	140.6	296	237·7	176·3
57	45·8	34·0	117	94·0	69·7	177	142·2	105·4	237	190.4	141.2	297	238·6	176·9
58	46·6	34·6	118	94·8	70·3	178	143·0	106·0	238	191.2	141.8	298	239·4	177·5
59	47·4	35·1	119	95·6	70·9	179	143·8	106·6	239	192.0	142.4	299	240·2	178·1
60	48·2	35·7	120	96·4	71·5	180	144·6	107·2	240	192.8	143.0	300	241·0	178·7
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1 00·8 00·6	61 47·2 38·7	121 93·5 76·8	181 139·9 114·8	241 186·3 152·9
2 01·5 01·3	62 47·9 39·3	122 94·3 77·4	182 140·7 115·5	242 187·1 153·5
3 02·3 01·9	63 48·7 40·0	123 95·1 78·0	183 141·5 116·1	243 187·8 154·2
4 03·1 02·5	64 49·5 40·6	124 95·9 78·7	184 142·2 116·7	244 188·6 154·8
5 03·9 03·2	65 50·2 41·2	125 96·6 79·3	185 143·0 117·4	245 189·4 155·4
6 04·6 03·8	66 51.0 41.9	126 97.4 79.9	186 143·8 118·0	246 190·2 156·1
7 05·4 04·4	67 51.8 42.5	127 98.2 80.6	187 144·6 118·6	247 190·9 156·7
8 06·2 05·1	68 52.6 43.1	128 98.9 81.2	188 145·3 119·3	248 191·7 157·3
9 07·0 05·7	69 53.3 43.8	129 99.7 81.8	189 146·1 119·9	249 192·5 158·0
10 07·7 06·3	70 54.1 44.4	130 100.5 82.5	190 146·9 120·5	250 193·3 158·6
11 08·5 07·0	71 54·9 45·0	131 101·3 83·1	191 147·6 121·2	251 194·0 159·2
12 09·3 07·6	72 55·7 45·7	132 102·0 83·7	192 148·4 121·8	252 194·8 159·9
13 10·0 08·2	73 56·4 46·3	133 102·8 84·4	193 149·2 122·4	253 195·6 160·5
14 10·8 08·9	74 57·2 46·9	134 103·6 85·0	194 150·0 123·1	254 196·3 161·1
15 11·6 09·5	75 58·0 47·6	135 104·4 85·6	195 150·7 123·7	255 197·1 161·8
16 12.4 10.2	76 58.7 48.2	136 105·1 86·3 137 105·9 86·9 138 106·7 87·5 139 107·4 88·2 140 108·2 88·8	196 151·5 124·3	256 197.9 162.4
17 13.1 10.8	77 59.5 48.8		197 152·3 125·0	257 198.7 163.0
18 13.9 11.4	78 60.3 49.5		198 153·1 125·6	258 199.4 163.7
19 14.7 12.1	79 61.1 50.1		199 153·8 126·2	259 200.2 164.3
20 15.5 12.7	80 61.8 50.8		200 154·6 126·9	260 201.0 164.9
21 16·2 13·3	81 62.6 51.4	141 109.0 89.4 142 109.8 90.1 143 110.5 90.7 144 111.3 91.4 145 112.1 92.0	201 155:4 127:5	261 201 8 165 6
22 17·0 14·0	82 63.4 52.0		202 156:1 128:1	262 202 5 166 2
23 17·8 14·6	83 64.2 52.7		203 156:9 128:8	263 203 3 166 8
24 18·6 15·2	84 64.9 53.3		204 157:7 129:4	264 204 1 167 5
25 19·3 15·9	85 65.7 53.9		205 158:5 130:1	265 204 8 168 1
26 20·1 16·5	86 66.5 54.6	146 112.9 92.6 147 113.6 93.3 148 114.4 93.9 149 115.2 94.5 150 116.0 95.2	206 159·2 130·7	266 205.6 168.7
27 20·9 17·1	87 67.3 55.2		207 160·0 131·3	267 206.4 169.4
28 21·6 17·8	88 68.0 55.8		208 160·8 132·0	268 207.2 170.0
29 22·4 18·4	89 68.8 56.5		209 161·6 132·6	269 207.9 170.7
30 23·2 19·0	90 69.6 57.1		210 162·3 133·2	270 208.7 171.3
31 24·0 19·7	91 70·3 57·7	151 116·7 95·8	211 163·1 133·9	271 209·5 171·9
32 24·7 20·3	92 71·1 58·4	152 117·5 96·4	212 163·9 134·5	272 210·3 172·6
33 25·5 20·9	93 71·9 59·0	153 118·3 97·1	213 164·7 135·1	273 211·0 173·2
34 26·3 21·6	94 72·7 59·6	154 119·0 97·7	214 165·4 135·8	274 211·8 173·8
35 27·1 22·2	95 73·4 60·3	155 119·8 98·3	215 166·2 136·4	275 212·6 174·5
36 27·8 22·8	96 74·2 60·9	156 120.6 99.0	216 167.0 137.0	276 213·4 175·1
37 28·6 23·5	97 75·0 61·5	157 121.4 99.6	217 167.7 137.7	277 214·1 175·7
38 29·4 24·1	98 75·8 62·2	158 122.1 100.2	218 168.5 138.3	278 214·9 176·4
39 30·1 24·7	99 76·5 62·8	159 122.9 100.9	219 169.3 138.9	279 215·7 177·0
40 30·9 25·4	100 77·3 63·4	160 123.7 101.5	220 170.1 139.6	280 216·4 177·6
41 31.7 26.0	101 78·1 64·1	161 124·5 102·1	221 170·8 140·2	281 217·2 178·3
42 32.5 26.6	102 78·8 64·7	162 125·2 102·8	222 171·6 140·8	282 218·0 178·9
43 33.2 27.3	103 79·6 65·3	163 126·0 103·4	223 172·4 141·5	283 218·8 179·5
44 34.0 27.9	104 80·4 66·0	164 126·8 104·0	224 173·2 142·1	284 219·5 180·2
45 34.8 28.5	105 81·2 66·6	165 127·5 104·7	225 173·9 142·7	285 220·3 180·8
46 35·6 29·2	106 81.9 67.2	166 128'3 105'3	226 174·7 143·4	286 221·1 181·4
47 36·3 29·8	107 82.7 67.9	167 129'1 105'9	227 175·5 144·0	287 221·9 182·1
48 37·1 30·5	108 83.5 68.5	168 129'9 106'6	228 176·2 144·6	288 222·6 182·7
49 37·9 31·1	109 84.3 69.1	169 130'6 107'2	229 177·0 145·3	289 223·4 183·3
50 38·7 31·7	110 85.0 69.8	170 131'4 107'8	230 177·8 145·9	290 224·2 184·0
51 39.4 32.4	111 85·8 70·4	171 132·2 108·5	231 178·6 146·5	291 224:9 184:6
52 40.2 33.0	112 86·6 71·1	172 133·0 109·1	232 179·3 147·2	292 225:7 185:2
53 41.0 33.6	113 87·4 71·7	173 133·7 109·8	233 180·1 147·8	293 226:5 185:9
54 41.7 34.3	114 88·1 72·3	174 134·5 110·4	234 180·9 148·4	294 227:3 186:5
55 42.5 34.9	115 88·9 73·0	175 135·3 111·0	235 181·7 149·1	295 228:0 187:1
56 43·3 35·5	116 89.7 73.6	176 136·0 111·7	236 182.4 149.7	296 228.8 187.8
57 44·1 36·2	117 90.4 74.2	177 136·8 112·3	237 183.2 150.4	297 229.6 188.4
58 44·8 36·8	118 91.2 74.9	178 137·6 112·9	238 184.0 151.0	298 230.4 189.0
59 45·6 37·4	119 92.0 75.5	179 138·4 113·6	239 184.7 151.6	299 231.1 189.7
60 46·4 38·1	120 92.8 76.1	180 139·1 114·2	240 185.5 152.3	300 231.9 190.3
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		1		FOI 54 TOIMUS
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1 00.7 00.7	61 45·2 41·0	121 89.7 81.3	181 134·1 121·6	241 178.6 161.8
2 01.5 01.3	62 45·9 41·6	122 90.4 81.9	182 134·9 122·2	242 179.3 162.5
3 02.2 02.0	63 46·7 42·3	123 91.1 82.6	183 135·6 122·9	243 180.1 163.2
4 03.0 02.7	64 47·4 43·0	124 91.9 83.3	184 136·3 123·6	244 180.8 163.9
5 03.7 03.4	65 48·2 43·7	125 92.6 83.9	185 137·1 124·2	245 181.5 164.5
6 04·4 04·0	66 48.9 44.3	126 93.4 84.6	186 137.8 124.9	246 182'3 165'2
7 05·2 04·7	67 49.6 45.0	127 94.1 85.3	187 138.6 125.6	247 183'0 165'9
8 05·9 05·4	68 50.4 45.7	128 94.8 86.0	188 139.3 126.3	248 183'8 166'5
9 06·7 06·0	69 51.1 46.3	129 95.6 86.6	189 140.0 126.9	249 184'5 167'2
10 07·4 06·7	70 51.9 47.0	130 96.3 87.3	190 140.8 127.6	250 185'2 167'9
11 08·2 07·4	71 52·6 47·7	131 97·1 88·0	191 141.5 128.3	251 186.0 168.6
12 08·9 08·1	72 53·3 48·4	132 97·8 88·6	192 142.3 128.9	252 186.7 169.2
13 09·6 08·7	73 54·1 49·0	133 98·5 89·3	193 143.0 129.6	253 187.5 169.9
14 10·4 09·4	74 54·8 49·7	134 99·3 90·0	194 143.7 130.3	254 188.2 170.6
15 11·1 10·1	75 55·6 50·4	135 100·0 90·7	195 144.5 130.9	255 188.9 171.2
16 11·9 10·7	76 56:3 51:0	136 100·8 91·3	196 145·2 131·6	256 189·7 171·9
17 12·6 11·4	77 57:1 51:7	137 101·5 92·0	197 146·0 132·3	257 190·4 172·6
18 13·3 12·1	78 57:8 52:4	138 102·3 92·7	198 146·7 133·0	258 191·2 173·3
19 14·1 12·8	79 58:5 53:0	139 103·0 93·3	199 147·4 133·6	259 191·9 173·9
20 14·8 13·4	80 59:3 53:7	140 103·7 94·0	200 148·2 134·3	260 192·6 174·6
21 15·6 14·1	81 60·0 54·4	141 104·5 94·7	201 148·9 135·0	261 193 4 175 3
22 16·3 14·8	82 60·8 55·1	142 105·2 95·4	202 149·7 135·6	262 194 1 175 9
23 17·0 15·4	83 61·5 55·7	143 106·0 96·0	203 150·4 136·3	263 194 9 176 6
24 17·8 16·1	84 62·2 56·4	144 106·7 96·7	204 151·2 137·0	264 195 6 177 3
25 18·5 16·8	85 63·0 57·1	145 107·4 97·4	205 151·9 137·7	265 196 4 178 0
26 19·3 17·5	86 63.7 57.7	146 108·2 98·0	206 152.6 138.3	266 197 1 178 6
27 20·0 18·1	87 64.5 58.4	147 108·9 98·7	207 153.4 139.0	267 197 8 179 3
28 20·7 18·8	88 65.2 59.1	148 109·7 99·4	208 154.1 139.7	268 198 6 180 0
29 21·5 19·5	89 65.9 59.8	149 110·4 100·1	209 154.9 140.3	269 199 3 180 6
30 22·2 20·1	90 66.7 60.4	150 111·1 100·7	210 155.6 141.0	270 200 1 181 3
31 23°0 20°8	91 67·4 61·1	151 111.9 101.4	211 156·3 141·7	271 200°8 182°0
32 23°7 21°5	92 68·2 61·8	152 112.6 102.1	212 157·1 142·4	272 201°5 182°7
33 24°5 22°2	93 68·9 62·4	153 113.4 102.7	213 157·8 143·0	273 202°3 183°3
34 25°2 22°8	94 69·6 63·1	154 114.1 103.4	214 158·6 143·7	274 203°0 184°0
35 25°9 23°5	95 70·4 63·8	155 114.8 104.1	215 159·3 144·4	275 203°8 184°7
36 26·7 24·2	96 71·1 64·5	156 115.6 104.8	216 160·0 145·0	276 204 5 185 3
37 27·4 24·8	97 71·9 65·1	157 116.3 105.4	217 160·8 145·7	277 205 2 186 0
38 28·2 25·5	98 72·6 65·8	158 117.1 106.1	218 161·5 146·4	278 206 0 186 7
39 28·9 26·2	99 73·4 66·5	159 117.8 106.8	219 162·3 147·1	279 206 7 187 4
40 29·6 26·9	100 74·1 67·2	160 118.6 107.4	220 163·0 147·7	280 207 5 188 0
41 30·4 27·5	101 74·8 67·8	161 119·3 108·1	221 163:8 148:4	281 208·2 188·7
42 31·1 28·2	102 75·6 68·5	162 120·0 108·8	222 164:5 149:1	282 208·9 189·4
43 31·9 28·9	103 76·3 69·2	163 120·8 109·5	223 165:2 149:7	283 209·7 190·0
44 32·6 29·5	104 77·1 69·8	164 121·5 110·1	224 166:0 150:4	284 210·4 190·7
45 33·3 30·2	105 77·8 70·5	165 122·3 110·8	225 166:7 151:1	285 211·2 191·4
46 34·1 30·9	106 78·5 71·2	166 123·0 111·5	226 167·5 151·8	286 211·9 192·1
47 34·8 31·6	107 79·3 71·9	167 123·7 112·2	227 168·2 152·4	287 212·7 192·7
48 35·6 32·2	108 80·0 72·5	168 124·5 112·8	228 168·9 153·1	288 213·4 193·4
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50 37·0 33·6	110 81·5 73·9	170 126·0 114·2	230 170·4 154·5	290 214·9 194·8
51 37·8 34·2	111 82·2 74·5	171 126·7 114·8	231 171·2 155·1	291 215·6 195·4
52 38·5 34·9	112 83·0 75·2	172 127·4 115·5	232 171·9 155·8	292 216·4 196·1
53 39·3 35·6	113 83·7 75·9	173 128·2 116·2	233 172·6 156·5	293 217·1 196·8
54 40·0 36·3	114 84·5 76·6	174 128·9 116·9	234 173·4 157·1	294 217·8 197·4
55 40·8 36·9	115 85·2 77·2	175 129·7 117·5	235 174·1 157·8	295 218·6 198·1
56 41.5 37.6	116 86.0 77.9	176 130.4 118.2	236 174'9 158'5	296 219·3 198·8
57 42.2 38.3	117 86.7 78.6	177 131.1 118.9	237 175'6 159'2	297 220·1 199·4
58 43.0 39.0	118 87.4 79.2	178 131.9 119.5	238 176'3 159'8	298 220·8 200·1
59 43.7 39.6	119 88.2 79.9	179 132.6 120.2	239 177'1 160'5	299 221·5 200·8
60 44.5 40.3	120 88.9 80.6	180 133.4 120.9	240 177'8 161'2	300 222·3 201·5
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1 00.7 00.7	61 43·1 43·1	121 85·6 85·6	181 128 0 128 0	241 170·4 170·4
2 01.4 01.4	62 43·8 43·8	122 86·3 86·3	182 128 7 128 7	242 171·1 171·1
3 02.1 02.1	63 44·5 44·5	123 87·0 87·0	183 129 4 129 4	243 171·8 171·8
4 02.8 02.8	64 45·3 45·3	124 87·7 87·7	184 130 1 130 1	244 172·5 172·5
5 03.5 03.5	65 46·0 46·0	125 88·4 88·4	185 130 8 130 8	245 173·2 173·2
6 04·2 04·2	66 46·7 46·7	126 89·1 89·1	186 131·5 131·5	246 173·9 173·9
7 04·9 04·9	67 47·4 47·4	127 89·8 89·8	187 132·2 132·2	247 174·7 174·7
8 05·7 05·7	68 48·1 48·1	128 90·5 90·5	188 132·9 132·9	248 175·4 175·4
9 06·4 06·4	69 48·8 48·8	129 91·2 91·2	189 133·6 133·6	249 176·1 176·1
10 07·1 07·1	70 49·5 49·5	130 91·9 91·9	190 134·4 134·4	250 176·8 176·8
11 07.8 07.8	71 50·2 50·2	131 92·6 92·6	191 135·1 135·1	251 177·5 177·5
12 08.5 08.5	72 50·9 50·9	132 93·3 93·3	192 135·8 135·8	252 178·2 178·2
13 09.2 09.2	73 51·6 51·6	133 94·0 94·0	193 136·5 136·5	253 178·9 178·9
14 09.9 09.9	74 52·3 52·3	134 94·8 94·8	194 137·2 137·2	254 179·6 179·6
15 10.6 10.6	75 53·0 53·0	135 95·5 95·5	195 137·9 137·9	255 180·3 180·3
16 11·3 11·3	76 53·7 53·7	136 96·2 96·2 137 96·9 96·9 138 97·6 97·6 139 98·3 98·3 140 99·0 99·0	196 138·6 138·6	256 181·0 181·0
17 12·0 12·0	77 54·4 54·4		197 139·3 139·3	257 181·7 181·7
18 12·7 12·7	78 55·2 55·2		198 140·0 140·0	258 182·4 182·4
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21 14·8 14·8	81 57·3 57·3	141 99·7 99·7	201 142·1 142·1	261 184.6 184.6
22 15·6 15·6	82 58·0 58·0	142 100·4 100·4	202 142·8 142·8	262 185.3 185.3
23 16·3 16·3	83 58·7 58·7	143 101·1 101·1	203 143·5 143·5	263 186.0 186.0
24 17·0 17·0	84 59·4 59·4	144 101·8 101·8	204 144·2 144·2	264 186.7 186.7
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26 18·4 18·4	86 60·8 60·8	146 103·2 103·2	206 145.7 145.7	266 188·1 188·1
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28 19·8 19·8	88 62·2 62·2	148 104·7 104·7	208 147.1 147.1	268 189·5 189·5
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34 24.0 24.0	94 66·5 66·5	154 108·9 108·9	214 151·3 151·3	274 193·7 193·7
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39 27·6 27·6	99 70.0 70.0	159 112 4 112 4	219 154·9 154·9	279 197·3 197·3
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41 29.0 29.0	101 71:4 71:4	161 113·8 113·8	221 156:3 156:3	281 198.7 198.7
42 29.7 29.7	102 72:1 72:1	162 114·6 114·6	222 157:0 157:0	282 199.4 199.4
43 30.4 30.4	103 72:8 72:8	163 115·3 115·3	223 157:7 157:7	283 200.1 200.1
44 31.1 31.1	104 73:5 73:5	164 116·0 116·0	224 158:4 158:4	284 200.8 200.8
45 31.8 31.8	105 74:2 74:2	165 116·7 116·7	225 159:1 159:1	285 201.5 201.5
46 32·5 32·5	106 75·0 75·0	166 117.4 117.4	226 159·8 159·8	286 202·2 202·2
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57 40.3 40.3	117 82·7 82·7	177 125·2 125·2	237 167·6 167·6	297 210·0 210·0
58 41.0 41.0	118 83·4 83·4	178 125·9 125·9	238 168·3 168·3	298 210·7 210·7
59 41.7 41.7	119 84·1 84·1	179 126·6 126·6	239 169·0 169·0	299 211·4 211·4
60 42.4 42.4	120 84·9 84·9	180 127·3 127·3	240 169·7 169·7	300 212·1 212·1
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	6 7 8 9	06.0 07.0 08.0 09.0 10.0	00·1 00·1 00·2 00·2	66 67 68 69 70	66.0 67.0 68.0 69.0 70.0	01·2 01·2 01·2 01·2 01·2	126 127 128 129 130	126.0 127.0 128.0 129.0 130.0	02·2 02·2 02·2 02·3 02·3	186 187 188 189 190	186.0 187.0 188.0 189.0 190.0	03·2 03·3 03·3 03·3 03·3	246 247 248 249 250	246.0 247.0 248.0 249.0 250.0	04·3 04·3 04·3 04·3
	11 12 13 14 15	11.0 12.0 13.0 14.0 15.0	00·2 00·2 00·2 00·2 00·3	71 72 73 74 75	71.0 72.0 73.0 74.0 75.0	01·2 01·3 01·3 01·3 01·3	131 132 133 134 135	131·0 132·0 133·0 134·0 135·0	02·3 02·3 02·3 02·3 02·4	191 192 193 194 195	191·0 192·0 193·0 194·0 195·0	03·3 03·4 03·4 03·4 03·4	251 252 253 254 255	251·0 252·0 253·0 254·0 255·0	04·4 04·4 04·4 04·5
	16 17 18 19 20	16.0 17.0 18.0 19.0 20.0	00.3 00.3 00.3 00.3	76 77 78 79 80	76.0 77.0 78.0 79.0 80.0	01:3 01:4 01:4 01:4	136 137 138 139 140	136.0 137.0 138.0 139.0 140.0	02·4 02·4 02·4 02·4 02·4	196 197 198 199 200	196.0 197.0 198.0 199.0 200.0	03·4 03·5 03·5 03·5	256 257 258 259 260	256.0 257.0 258.0 259.0 260.0	04·5 04·5 04·5 04·5 04·5
	21 22 23 24 25	21.0 22.0 23.0 24.0 25.0	00·4 00·4 00·4 00·4 00·4	81 82 83 84 85	81·0 82·0 83·0 84·0 85·0	01·4 01·4 01·5 01·5	141 142 143 144 145	141.0 142.0 143.0 144.0 145.0	02·5 02·5 02·5 02·5 02·5	201 202 203 204 205	201.0 202.0 203.0 204.0 205.0	03·5 03·5 03·6 03·6	261 262 263 264 265	261 ·0 262 ·0 263 ·0 264 ·0 265 ·0	04.6 04.6 04.6 04.6 04.6
	26 27 28 29 30	26·0 27·0 28·0 29·0 30·0	00·5 00·5 00·5 00·5 00·5	86 87 88 89 90	86.0 87.0 88.0 89.0 90.0	01.5 01.5 01.5 01.6 01.6	146 147 148 149 150	146.0 147.0 148.0 149.0 150.0	02.5 02.6 02.6 02.6 02.6	206 207 208 209 210	206.0 207.0 208.0 209.0 210.0	03·6 03·6 03·6 03·6 03·7	266 267 268 269 270	266.0 267.0 268.0 269.0 270.0	04·6 04·7 04·7 04·7 04·7
	31 32 33 34 35	31·0 32·0 33·0 34·0 35·0	00.5 00.6 00.6 00.6	91 92 93 94 95	91·0 92·0 93·0 94·0 95·0	01.6 01.6 01.6 01.6 01.7	151 152 153 154 155	151.0 152.0 153.0 154.0 155.0	02.6 02.7 02.7 02.7 02.7	211 212 213 214 215	211.0 212.0 213.0 214.0 215.0	03·7 03·7 03·7 03·7 03·8	271 272 273 274 275	271.0 272.0 273.0 274.0 275.0	04.7 04.8 04.8 04.8
	36 37 38 39 40	36·0 37·0 38·0 39·0 40·0	00·6 00·7 00·7 00·7	96 97 98 99 100	96·0 97·0 98·0 99·0 100·0	01·7 01·7 01·7 01·7 01·7	156 157 158 159 160	156.0 157.0 158.0 159.0 160.0	02·7 02·8 02·8 02·8 02·8	216 217 218 219 220	216.0 217.0 218.0 219.0 220.0	03.8 03.8 03.8 03.8	276 277 278 279 280	276.0 277.0 278.0 279.0 280.0	04·8 04·9 04·9 04·9
	41 42 43 44 45	41.0 42.0 43.0 44.0 45.0	00·7 00·7 00·8 00·8 00·8	101 102 103 104 105	101·0 102·0 103·0 104·0 105·0	01·8 01·8 01·8 01·8	161 162 163 164 165	161.0 162.0 163.0 164.0 165.0	02·8 02·8 02·8 02·9 02·9	221 222 223 224 225	221·0 222·0 223·0 224·0 225·0	03.9 03.9 03.9 03.9	281 282 283 284 285	281 °0 282 °0 283 °0 284 °0 285 °0	04·9 04·9 05·0 05·0
	49 50	46.0 47.0 48.0 49.0 50.0	00.8 00.8 00.8 00.8 8.00	106 107 108 109 110	106·0 107·0 108·0 109·0 110·0	01.9 01.9 01.9 01.9	166 167 168 169 170	166.0 167.0 168.0 169.0 170.0	02.9 02.9 02.9 02.9 03.0	226 227 228 229 230	226.0 227.0 228.0 229.0 230.0	03.9 04.0 04.0 04.0	286 287 288 289 290	286.0 287.0 288.0 289.0 290.0	05.0 05.0 05.0 05.0 05.1
		51.0 52.0 53.0 54.0 55.0	00.9 00.9 00.9	111 112 113 114 115	111.0 112.0 113.0 114.0 115.0	01.9 02.0 02.0 02.0 02.0	171 172 173 174 175	171.0 172.0 173.0 174.0 175.0	03·0 03·0 03·0 03·0 03·1	231 232 233 234 235	231·0 232·0 233·0 234·0 235·0	04·0 04·1 04·1 04·1	291 292 293 294 295	291.0 292.0 293.0 294.0 295.0	05·1 05·1 05·1 05·1 05·1
	57 58 59	56.0 57.0 58.0 59.0 60.0	01·0 01·0 01·0 01·0	116 117 118 119 120	116·0 117·0 118·0 119·0 120·0	02·0 02·1 02·1 02·1	176 177 178 179 180	176.0 177.0 178.0 179.0 180.0	03·1 03·1 03·1 03·1 03·1	236 237 238 239 240	236·0 237·0 238·0 239·0 240·0	04·1 04·2 04·2 04·2 04·2	296 297 298 299 300	296.0 297.0 298.0 299.0 300.0	05·2 05·2 05·2 05·2 05·2 05·2
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3 03·0 00·1	63 63 0 02 2	123 122 9 04 3	183 182'9 06'4	243 242·9 08·5
4 04·0 00·1	64 64 0 02 2	124 123 9 04 3	184 183'9 06'4	244 243·9 08·5
5 05·0 00·2	65 65 0 02 3	125 124 9 04 4	185 184'9 06'5	245 244·9 08·6
6 06·0 00·2	66 66.0 02.3	126 125 9 04 4	186 185 9 06 5	246 245·9 08·6
7 07·0 00·2	67 67.0 02.3	127 126 9 04 4	187 186 9 06 5	247 246·8 08·6
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14 14·0 00·5	74 74.0 02.6	134 133·9 04·7	194 193.9 06.8	254 253·8 08·9
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17 17.0 00.6	77 77.0 02.7	137 136 9 04 8	197 196.9 06.9	257 256 8 09 0
18 18.0 00.6	78 78.0 02.7	138 137 9 04 8	198 197.9 06.9	258 257 8 09 0
19 19.0 00.7	79 79.0 02.8	139 138 9 04 9	199 198.9 06.9	259 258 8 09 0
20 20.0 00.7	80 80.0 02.8	140 139 9 04 9	200 199.9 07.0	260 259 8 09 1
21 21·0 00·7	81 81.0 02.8	141 140 9 04 9	201 200·9 07·0	261 260·8 09·1
22 22·0 00·8	82 82.0 02.9	142 141 9 05 0	202 201·9 07·0	262 261·8 09·1
23 23·0 00·8	83 82.9 02.9	143 142 9 05 0	203 202·9 07·1	263 262·8 09·2
24 24·0 00·8	84 88.9 02.9	144 143 9 05 0	204 203·9 07·1	264 263·8 09·2
25 25·0 00·9	85 84.9 03.0	145 144 9 05 1	205 204·9 07·2	265 264·8 09·2
26 26·0 00·9	86 85 9 03 0	146 145 9 05 1	206 205·9 07·2	266 265·8 09·3
27 27·0 00·9	87 86 9 03 0	147 146 9 05 1	207 206·9 07·2	267 266·8 09·3
28 28·0 01·0	88 87 9 03 1	148 147 9 05 2	208 207·9 07·3	268 267·8 09·4
29 29·0 01·0	89 88 9 03 1	149 148 9 05 2	209 208·9 07·3	269 268·8 09·4
30 30·0 01·0	90 89 9 03 1	150 149 9 05 2	210 209·9 07·3	270 269·8 09·4
31 31·0 01·1	91 90·9 03·2	151 150·9 05·3	211 210·9 07·4	271 270·8 09·5
32 32·0 01·1	92 91·9 03·2	152 151·9 05·3	212 211·9 07·4	272 271·8 09·5
33 33·0 01·2	93 92·9 03·2	153 152·9 05·3	213 212·9 07·4	273 272·8 09·5
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37 37·0 01·3	97 96 9 03 4		217 216.9 07.6	277 276 8 09 7
38 38·0 01·3	98 97 9 03 4		218 217.9 07.6	278 277 8 09 7
39 39·0 01·4	99 98 9 03 5		219) 218.9 07.6	279 278 8 09 7
40 40·0 01·4	100 99 9 03 5		220 219.9 07.7	280 279 8 09 8
41 41.0 01.4	101 100·9 03·5	161 160·9 05·6	221 220·9 07·7	281 280·8 00·8
42 42.0 01.5	102 101·9 03·6	162 161·9 05·7	222 221·9 07·7	282 281·8 09·8
43 43.0 01.5	103 102·9 03·6	163 162·9 05·7	223 222·9 07·8	283 282·8 09·9
44 44.0 01.5	104 103·9 03·6	164 163·9 05·7	224 223·9 07·8	284 283·8 09·9
45 45.0 01.6	105 104·9 03·7	165 164·9 05·8	225 224·9 07·9	285 284·8 09·9
46 46.0 01.6	106 105·9 03·7	166 165.9 05.8 167 166.9 05.8 168 167.9 05.9 169 168.9 05.9 170 169.9 05.9	226 225·9 07·9	286 285 8 10 0
47 47.0 01.6	107 106·9 03·7		227 226·9 07·9	287 286 8 10 0
48 48.0 01.7	108 107·9 03·8		228 227·9 08·0	288 287 8 10 1
49 49.0 01.7	109 108·9 03·8		229 228·9 08·0	289 288 8 10 1
50 50.0 01.7	110 109·9 03·8		230 229·9 08·0	290 289 8 10 1
51 51·0 01·8	111 110·9 03·9	171 170.9 06.0	231 230·9 08·1	291 290 8 10 2
52 52·0 01·8	112 111·9 03·9	172 171.9 06.0	232 231·9 08·1	292 291 8 10 2
53 53·0 01·8	113 112·9 03·9	173 172.9 06.0	233 232·9 08·1	293 292 8 10 2
54 54·0 01·9	114 113·9 04·0	174 173.9 06.1	234 233·9 08·2	294 293 8 10 3
55 55·0 01·9	115 114·9 04·0	175 174.9 06.1	235 234·9 08·2	295 294 8 10 3
56 56.0 02.0	116 115-9 04-0	176 175-9 06·1	236 235·9 08·2	296 295'8 10'3
57 57.0 02.0	117 116-9 04-1	177 176·9 06·2	237 236·9 08·3	297 296'8 10'4
58 58.0 02.0	118 117-9 04-1	178 177·9 06·2	238 237·9 08·3	298 297'8 10'4
59 59.0 02.1	119 118-9 04-2	179 178·9 06·2	239 238·9 08·3	299 298'8 10'4
60 60.0 02.1	120 119-9 04-2	180 179·9 06·3	240 239·9 08·4	300 299'8 10'5
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6 06.0 7 07.0 8 08.0 9 09.0 10 10.0	00·3 00·4 00·4 00·5 00·5	66 67 68 69 70	65.9 66.9 67.9 68.9 69.9	03.5 03.5 03.6 03.6 03.7	126 127 128 129 130	125.8 126.8 127.8 128.8 129.8	06.6 06.7 06.8 06.8	186 187 188 189 190	185·7 186·7 187·7 188·7 189·7	09.7 09.8 09.8 09.9 09.9	246 247 248 249 250	245·7 246·7 247·7 248·7 249·7	12·9 12·9 13·0 13·0 13·1
11 11.0 12 12.0 13 13.0 14 14.0 15 15.0	00.6 00.7 00.7 00.7 00.8	71 72 73 74 75	70·9 71·9 72·9 73·9 74·9	03·7 03·8 03·8 03·9 03·9	131 132 133 134 135	130.8 131.8 132.8 133.8 134.8	06·9 06·9 07·0 07·0 07·1	191 192 193 194 195	190.7 191.7 192.7 193.7 194.7	10.0 10.0 10.1 10.2 10.2	251 252 253 254 255	250·7 251·7 252·7 253·7 254·7	13·1 13·2 13·2 13·3 13·3
16 16·0 17 17·0 18 18·0 19 19·0 20 20·0	00·8 00·9 00·9 01·0 01·0	76 77 78 79 80	75·9 76·9 77·9 78·9 79·9	04·0 04·0 04·1 04·1 04·2	136 137 138 139 140	135.8 136.8 137.8 138.8 139.8	07·1 07·2 07·2 07·3 07·3	196 197 198 199 200	195·7 196·7 197·7 198·7 199·7	10·3 10·4 10·4 10·5	256 257 258 259 260	255.6 256.6 257.6 258.6 259.6	13·4 13·5 13·5 13·6 13·6
21 21·0 22 22·0 23 23·0 24 24·0 25 25·0	01·1 01·2 01·2 01·3 01·3	81 82 83 84 85	80·9 81·9 82·9 83·9 84·9	04·2 04·3 04·3 04·4 04·4	141 142 143 144 145	140.8 141.8 142.8 143.8 144.8	07·4 07·4 07·5 07·5 07·6	201 202 203 204 205	200·7 201·7 202·7 203·7 204·7	10.5 10.6 10.6 10.7 10.7	261 262 263 264 265	260.6 261.6 262.6 263.6 264.6	13.7 13.7 13.8 13.8 13.9
26 26·0 27 27·0 28 28·0 29 29·0 30 30·0	01·4 01·4 01·5 01·5 01·6	86 87 88 89 90	85·9 86·9 87·9 88·9 89·9	04·5 04·6 04·6 04·7 04·7	146 147 148 149 150	145.8 146.8 147.8 148.8 149.8	07.6 07.7 07.7 07.8 07.9	206 207 208 209 210	205·7 206·7 207·7 208·7 209·7	10·8 10·8 10·9 10·9 11·0	266 267 268 269 270	265.6 266.6 267.6 268.6 269.6	13·9 14·0 14·0 14·1 14·1
31 31·0 32 32·0 33 33·0 34 34·0 35 35·0	01.6 01.7 01.7 01.8 01.8	91 92 93 94 95	90·9 91·9 92·9 93·9 94·9	04·8 04·8 04·9 04·9 05·0	151 152 153 154 155	150.8 151.8 152.8 153.8 154.8	07:9 08:0 08:0 08:1 08:1	211 212 213 214 215	210.7 211.7 212.7 213.7 214.7	11·0 11·1 11·1 11·2 11·3	271 272 273 274 275	270.6 271.6 272.6 273.6 274.6	14·2 14·2 14·3 14·3 14·4
36 36.0 37 36.9 38 37.9 39 38.9 40 39.9	01·9 01·9 02·0 02·0 02·1	96 97 98 99 100	95·9 96·9 97·9 98·9 99·9	05·0 05·1 05·1 05·2 05·2	156 157 158 159 160	155.8 156.8 157.8 158.8 159.8	08·2 08·3 08·3 08·4	216 217 218 219 220	215·7 216·7 217·7 218·7 219·7	11·3 11·4 11·4 11·5 11·5	276 277 278 279 280	275·6 276·6 277·6 278·6 279·6	14·4 14·5 14·5 14·6 14·7
41 40.9 42 41.9 43 42.9 44 43.9 45 44.9	02·1 02·2 02·3 02·3 02·4	101 102 103 104 105	100·9 101·9 102·9 103·9 104·9	05·3 05·3 05·4 05·4 05·5	161 162 163 164 165	160.8 161.8 162.8 163.8 164.8	08·4 08·5 08·5 08·6	221 222 223 224 225	220·7 221·7 222·7 223·7 224·7	11.6 11.7 11.7 11.8	281 282 283 284 285	280·6 281·6 282·6 283·6 284·6	14·7 14·8 14·8 14·9 14·9
46 45.9 47 46.9 48 47.9 49 48.9 50 49.9	02·4 02·5 02·5 02·6 02·6	106 107 108 109 110	105·9 106·9 107·9 108·9 109·8	05·5 05·6 05·7 05·7 05·8	166 167 168 169 170	165.8 166.8 167.8 168.8 169.8	08·7 08·7 08·8 08·8 08·9	226 227 228 229 230	225·7 226·7 227·7 228·7 229·7	11.8 11.9 11.9 12.0 12.0	286 287 288 289 290	285.6 286.6 287.6 288.6 289.6	15·0 15·0 15·1 15·1 15·2
51 50·9 52 51·9 53 52·9 54 53·9 55 54·9	02·7 02·7 02·8 02·8 02·9	111 112 113 114 115	110·8 111·8 112·8 113·8 114·8	05·8 05·9 05·9 06·0 06·0	171 172 173 174 175	170·8 171·8 172·8 173·8 174·8	08·9 09·0 09·1 09·1 09·2	231 232 233 234 235	230·7 231·7 232·7 233·7 234·7	12·1 12·2 12·2 12·3	291 292 293 294 295	290.6 291.6 292.6 293.6 294.6	15·2 15·3 15·3 15·4 15·4
56 55·9 57 56·9 58 57·9 59 58·9 60 59·9	02·9 03·0 03·0 03·1 03·1	116 117 118 119 120	115·8 116·8 117·8 118·8 119·8	06·1 06·2 06·2 06·3	176 177 178 179 180	175·8 176·8 177·8 178·8 179·8	09·2 09·3 09·3 09·4 09·4	236 237 238 239 240	235·7 236·7 237·7 238·7 239·7	12·4 12·4 12·5 12·5 12·6	296 297 298 299 300	295·6 296·6 297·6 298·6 299·6	15.5 15.6 15.6 15.7
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3 03·0 00·2	63 62°8 04°4	123 122·7 08·6	183 182 6 12 8	243 242·4 17·0
4 04·0 00·3	64 63°8 04°5	124 123·7 08·6	184 183 6 12 8	244 243·4 17·0
5 05·0 00·3	65 64°8 04°5	125 124·7 08·7	185 184 5 12 9	245 244·4 17·1
6 06·0 00·4	66 65·8 04·6	126 125·7 08·8	186 185·5 13·0	246 245.4 17.2
7 07·0 00·5	67 66·8 04·7	127 126·7 08·9	187 186·5 13·0	247 246.4 17.2
8 08·0 00·6	68 67·8 04·7	128 127·7 08·9	188 187·5 13·1	248 247.4 17.3
9 09·0 00·6	69 68·8 04·8	129 128·7 09·0	189 188·5 13·2	249 248.4 17.4
10 10·0 00·7	70 69·8 04·9	130 129·7 09·1	190 189·5 13·3	250 249.4 17.4
11 11·0 00·8	71 70·8 05·0	131 130·7 09·1	191 190·5 13·3	251 250·4 17·5
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13 13·0 00·9	73 72·8 05·1	133 132·7 09·3	193 192·5 13·5	253 252·4 17·6
14 14·0 01·0	74 73·8 05·2	134 133·7 09·3	194 193·5 13·5	254 253·4 17·7
15 15·0 01·0	75 74·8 05·2	135 134·7 09·4	195 194·5 13·6	255 254·4 17·8
16 16·0 01·1	76 75·8 05·3	136 135.7 09.5	196 195.5 13.7	256 255.4 17.9
17 17·0 01·2	77 76·8 05·4	137 136.7 09.6	197 196.5 13.7	257 256.4 17.9
18 18·0 01·3	78 77·8 05·4	138 137.7 09.6	198 197.5 13.8	258 257.4 18.0
19 19·0 01·3	79 78·8 05·5	139 138.7 09.7	199 198.5 13.9	259 258.4 18.1
20 20·0 01·4	80 79·8 05·6	140 139.7 09.8	200 199.5 14.0	260 259.4 18.1
21 20·9 01·5	81 80·8 05·7	141 140·7 09·8	201 200·5 14·0	261 260·4 18·2
22 21·9 01·5	82 81·8 05·7	142 141·7 09·9	202 201·5 14·1	262 261·4 18·3
23 22·9 01·6	83 82·8 05·8	143 142·7 10·0	203 202·5 14·2	263 262·4 18·3
24 23·9 01·7	84 83·8 05·9	144 143·6 10·0	204 203·5 14·2	264 263·4 18·4
25 24·9 01·7	85 84·8 05·9	145 144·6 10·1	205 204·5 14·3	265 264·4 18·5
26 25·9 01·8	86 85.8 06.0	146 145·6 10·2	206 205.5 14.4	266 265.4 18.6
27 26·9 01·9	87 86.8 06.1	147 146·6 10·3	207 206.5 14.4	267 266.3 18.6
28 27·9 02·0	88 87.8 06.1	148 147·6 10·3	208 207.5 14.5	263 267.3 18.7
29 28·9 02·0	89 88.8 06.2	149 148·6 10·4	209 208.5 14.6	269 268.3 18.8
30 29·9 02·1	90 89.8 06.3	150 149·6 10·5	210 209.5 14.6	270 269.3 18.8
31 30·9 02·2	91 90.8 06.3	151 150.6 10.5	211 210·5 14·7	271 270·3 18·9
32 31·9 02·2	92 91.8 06.4	152 151.6 10.6	212 211·5 14·8	272 271·3 19·0
33 32·9 02·3	93 92.8 06.5	153 152.6 10.7	213 212·5 14·9	273 272·3 19·0
34 33·9 02·4	94 93.8 06.6	154 158.6 10.7	214 213·5 14·9	274 273·3 19·1
35 34·9 02·4	95 94.8 06.6	155 154.6 10.8	215 214·5 15·0	275 274·3 19·2
36 35.9 02.5	96 95.8 06.7	156 155.6 10.9	216 215·5 15·1	276 275·3 19·3
37 36.9 02.6	97 96.8 06.8	157 156.6 11.0	217 216·5 15·1	277 276·3 19·3
38 37.9 02.7	98 97.8 06.8	158 157.6 11.0	218 217·5 15·2	278 277·3 19·4
39 38.9 02.7	99 98.8 06.9	159 158.6 11.1	219 218·5 15·3	279 278·3 19·5
40 39.9 02.8	100 99.8 07.0	160 159.6 11.2	220 219·5 15·3	280 279·3 19·5
41 40·9 02·9	101 100·8 07·0	161 160·6 11·2	221 220.5 15.4 222 221.5 15.5 223 222.5 15.6 224 223.5 15.6 225 224.5 15.7	281 280·3 19·6
42 41·9 02·9	102 101·8 07·1	162 161·6 11·3		282 281·3 19·7
43 42·9 03·0	103 102·7 07·2	163 162·6 11·4		283 282·3 19·7
44 43·9 03·1	104 103 7 07·3	164 163·6 11·4		284 283·3 19·8
45 44·9 03·1	105 104·7 07·3	165 164·6 11·5		285 284·3 19·9
46 45.9 03.2	106 105·7 07·4	166 165.6 11.6	226 225.4 15.8	286 285·3 20·0
47 46.9 03.3	107 106·7 07·5	167 166.6 11.6	227 226.4 15.8	287 286·3 20·0
48 47.9 03.3	108 107·7 07·5	168 167.6 11.7	228 227.4 15.9	288 287·3 20·1
49 48.9 03.4	109 108·7 07·6	169 168.6 11.8	229 228.4 16.0	289 288·3 20·2
50 49.9 03.5	110 109·7 07·7	170 169.6 11.9	230 229.4 16.0	290 289·3 20·2
51 50.9 03.6	111 110·7 07·7	171 170·6 11·9	231 230·4 16·1	291 290·3 20·3
52 51.9 03.6	112 111·7 07·8	172 171·6 12·0	232 231·4 16·2	292 291·3 20·4
53 52.9 03.7	113 112·7 07·9	173 172·6 12·1	238 232·4 16·3	293 292·3 20·4
54 53.9 03.8	114 113·7 08·0	174 173·6 12·1	234 233·4 16·3	294 293·3 20·5
55 54.9 03.8	115 114·7 08·0	175 174·6 12·2	235 234·4 16·4	295 294·3 20·6
56 55.9 03.9	116 115·7 08·1	176 175·6 12·3	236 235.4 16.5	296 295·3 20·6
57 56.9 04.0	117 116·7 08·2	177 176·6 12·3	237 236.4 16.5	297 296·3 20·7
58 57.9 04.0	118 117·7 08·2	178 177·6 12·4	238 237.4 16.6	298 297·3 20·8
59 58.9 04.1	119 118·7 08·3	179 178·6 12·5	239 238.4 16.7	299 298·3 20·9
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26 25·9 02·3 27 26·9 02·4 28 27·9 02·4 29 28·9 02·5 30 29·9 02·6	86 85·7 07 87 86·7 07 88 87·7 07 89 88·7 07 90 89·7 07	3 147 146.4 1 7 148 147.4 1 8 149 148.4 1	2.7 206 205·2 18·0 2.8 207 206·2 18·0 2.9 208 207·2 18·1 3.0 209 208·2 18·2 3.1 210 209·2 18·3	266 265·0 23·2 267 266·0 23·3 268 267·0 23·4 269 268·0 23·4 270 269·0 23·5
31 30·9 02·7 32 31·9 02·8 33 32·9 02·9 34 33·9 03·0 35 34·9 03·1	91 90.7 07 92 91.6 08 93 92.6 08 94 93.6 08 95 94.6 08	0 152 151·4 1 1 153 152·4 1 2 154 153·4 1	3.2 211 210.2 18.4 3.2 212 211.2 18.5 3.3 213 212.2 18.6 3.4 214 213.2 18.7 3.5 215 214.2 18.7	271 270·0 23·6 272 271·0 23·7 273 272·0 23·8 274 273·0 23·9 275 274·0 24·0
36 35·9 03·1 37 36·9 03·2 38 37·9 03·3 39 38·9 03·4 40 39·8 03·5	96 95.6 08 97 96.6 08 98 97.6 08 99 98.6 08 100 99.6 98	5 157 156.4 1 5 158 157.4 1 6 159 158.4 1	3·6 216 215·2 18·8 3·7 217 216·2 18·9 3·8 218 217·2 19·0 3·9 219 218·2 19·1 3·9 220 219·2 19·2	276 274·9 24·1 277 275·9 24·1 278 276·9 24·2 279 277·9 24·3 280 278·9 24·4
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51 50·8 04·4 52 51·8 04·5 53 52·8 04·6 54 53·8 04·7 55 54·8 04·8	111 110·6 09 112 111·6 09· 113 112·6 09· 114 113·6 09· 115 114·6 10·	3 172 171·3 1 3 173 172·3 1 9 174 173·3 1 0 175 174·3 1	4.9 231 230.1 20.1 5.0 232 231.1 20.2 5.1 233 232.1 20.3 5.2 234 233.1 20.4 5.3 235 234.1 20.5	291 289 9 25 4 292 290 9 25 4 293 291 9 25 5 294 292 9 25 6 295 293 9 25 7
56 55·8 04·9 57 56·8 05·0 58 57·8 05·1 59 58·8 05·1 60 59·8 05·2	116 115·6 10· 117 116·6 10· 118 117·6 10· 119 118·5 10· 120 119·5 10·	2 177 176·3 1 3 178 177·3 1 4 179 178·3 1	5*3 236 235*1 20*6 5*4 237 236*1 20*7 5*5 238 237*1 20*7 5*6 239 238*1 20*8 5*7 240 239*1 20*9	296 294 9 25 8 297 295 9 25 9 298 296 9 26 0 299 297 9 26 1 300 298 9 26 1
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42 4 43 4 44 4	1·5 2·5 3·5	06·4 06·6 06·7 06·9 07·0	101 102 103 104 105	99.8 100.7 101.7 102.7 103.7	15.8 16.0 16.1 16.3 16.4	161 162 163 164 165	159.0 160.0 161.0 162.0 163.0	25·2 25·3 25·5 25·7 25·8	221 222 223 224 225	218·3 219·3 220·3 221·2 222·2	34.6 34.7 34.9 35.0 35.2	281 282 283 284 285	277.5 278.5 279.5 280.5 281.5	44.0 44.1 44.3 44.4 44.6
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52 5: 53 5: 54 5: 55 5:	1·4 2·3 3·3 4·3	08·0 08·1 08·3 08·4 08·6	111 112 113 114 115	109.6 110.6 111.6 112.6 113.6	17.4 17.5 17.7 17.8 18.0	171 172 173 174 175	168.9 169.9 170.9 171.9 172.8	26·8 26·9 27·1 27·2 27·4	231 232 233 234 235	228·2 229·1 230·1 231·1 232·1	36·1 36·3 36·4 36·6 36·8	291 292 293 294 295	287·4 288·4 289·4 290·4 291·4	45.5 45.7 45.8 46.0 46.1
57 56 58 57 59 58	6·3 7·3 8·3	08·8 08·9 09·1 09·2 09·4	116 117 118 119 120	114.6 115.6 116.5 117.5 118.5	18·1 18·3 18·5 18·6 18·8	176 177 178 179 180	173.8 174.8 175.8 176.8 177.8	27·5 27·7 27·8 28·0 28·2	236 237 238 239 240	233·1 234·1 235·1 236·1 237·0	36·9 37·1 37·2 37·4 37·5	296 297 298 299 300	292·4 293·3 294·3 295·3 206·3	46·3 46·5 46·6 46·8 46·9
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7 0 8 0 9 0	69 0 79 0 89 0	1.0 66 1.2 67 1.4 68 1.6 69 1.7 70	66° 67° 68°	0 11·6 0 11·8 0 12·0	126 127 128 129 130	124·1 125·1 126·1 127·0 128·0	21·9 22·1 22·2 22·4 22·6	186 187 188 189 190	183·2 184·2 185·1 186·1 187·1	32·3 32·5 32·6 32·8 33·0	246 247 248 249 250	242·3 243·2 244·2 245·2 246·2	42·7 42·9 43·1 43·2 43·4
12 1 13 1 14 1	1.8 0 2.8 0 3.8 0	1.9 7: 2.1 7: 2.3 7: 2.4 7: 2.6 7:	70° 71° 72°	9 12·5 9 12·7 9 12·8	131 132 133 134 135	129.0 130.0 131.0 132.0 132.9	22·7 22·9 23·1 23·3 23·4	191 192 193 194 195	188·1 189·1 190·1 191·1 192·0	33·2 38·3 33·5 33·7 33·9	251 252 253 254 255	247·2 248·2 249·2 250·1 251·1	43.6 43.8 43.9 44.1 44.8
17 1 18 1 19 1	6·7 0 7·7 0 8·7 0	2·8 76 3·0 77 3·1 78 3·3 79 3·5 86	75. 76.	8 13·4 8 13·5 8 13·7	136 137 138 139 140	133.9 134.9 135.9 136.9 137.9	23·6 23·8 24·0 24·1 24·3	196 197 198 199 200	193.0 194.0 195.0 196.0 197.0	34·0 84·2 34·4 34·6 34·7	256 257 258 259 260	252·1 253·1 254·1 255·1 256·1	44.5 44.6 44.8 45.0 45.1
22 2 23 2 24 2	1.7 0 2.7 0 3.6 0	3.6 81 3.8 85 4.0 85 4.2 84 4.3 86	80° 81° 82°	8 14·2 7 14·4 7 14·6	141 142 143 144 145	138·9 139·8 140·8 141·8 142·8	24·5 24·7 24·8 25·0 25·2	201 202 203 204 205	197 ·9 198 ·9 199 ·9 200 ·9 201 ·9	34·9 35·1 35·3 35·4 35·6	261 262 263 264 265	257.0 258.0 259.0 260.0 261.0	45·8 45·8 46·0
27 2 28 2 29 2	6·6 0 7·6 0 8·6 0	4·5 86 4·7 87 4·9 88 5·0 89 5·2 90	85 86 87	7 15·1 7 15·3 6 15·5	146 147 148 149 150	143·8 144·8 145·8 146·7 147·7	25·4 25·5 25·7 25·9 26·0	206 207 208 209 210	202·9 203·9 204·8 205·8 206·8	35·8 35·9 36·1 36·3 36·5	266 267 268 269 270	262·0 262·9 263·9 264·9 265·9	46·2 46·4 46·5 46·7 46·9
32 3 33 3 34 3	1.5 0 2.5 0 3.5 0	5·4 91 5·6 92 5·7 93 5·9 94 6·1 93	90 91 92	6 16·0 6 16·1 6 16·3	151 152 153 154 155	148.7 149.7 150.7 151.7 152.6	26·2 26·4 26·6 26·7 26·9	211 212 218 214 215	207·8 208·8 209·8 210·7 211·7	36·6 36·8 37·0 37·2 37·3	271 272 273 274 275	266.9 267.9 268.9 269.8 270.8	47·1 47·2 47·4 47·6 47·8
87 3 38 3 39 3	6.4 0 7.4 0 8.4 0	6·3 96 6·4 97 6·6 98 6·8 99 6·9 100	95 96 97	5 16·8 5 17·0 5 17·2	156 157 158 159 160	153.6 154.6 155.6 156.6 157.6	27·1 27·3 27·4 27·6 27·8	216 217 218 219 220	212·7 213·7 214·7 215·7 216·7	37·5 37·7 37·9 38·0 38·2	276 277 278 279 280	271·8 272·8 273·8 274·8 275·7	47.9 48.1 48.3 48.4 48.6
42 4 43 4 44 4	1.4 0 2.3 0 3.3 0	7·1 101 7·3 102 7·5 103 7·6 104 7·8 108	100 101 102	5 17·7 4 17·9 4 18·1	161 162 163 164 165	158.6 159.5 160.5 161.5 162.5	28·0 28·1 28·3 28·5 28·7	221 222 223 224 225	217·6 218·6 219·6 220·6 221·6	38·4 38·5 38·7 38·9 39·1	281 282 283 284 285	276·7 277·7 278·7 279·7 280·7	48.8 49.0 49.1 49.3 49.5
47 4 48 4 49 4	6·3 0: 7·3 0: 8·3 0:	8·0 106 8·2 107 8·3 108 8·5 109 8·7 110	105 106 107	4 18.6 4 18.8 3 18.9	166 167 168 169 170	163·5 164·5 165·4 166·4 167·4	28·8 29·0 29·2 29·3 29·5	226 227 228 229 230	222.6 223.6 224.5 225.5 226.5	39·2 39·4 39·6 39·8 39·9	286 287 288 289 290	281·7 282·6 283·6 284·6 285·6	49.7 49.8 50.0 50.2 50.4
52 5 53 5 54 5	1·2 0 2·2 0 3·2 0	8·9 111 9·0 115 9·2 113 9·4 114 9·6 114	110 111 112	3 19·4 3 19·6 3 19·8	171 172 173 174 175	168·4 169·4 170·4 171·4 172·3	29.7 29.9 30.0 30.2 30.4	231 232 233 234 235	227·5 228·5 229·5 230·4 231·4	40·1 40·3 40·6 40·8	291 292 293 294 295	286.6 287.6 288.5 289.5 290.5	50·5 50·7 50·9 51·1 51·2
57 5 58 5 59 5	6·1 0 7·1 1 8·1 1	9·7 116 9·9 117 0·1 118 0·2 119 0·4 120	115° 116° 117°	2 20·3 2 20·5 2 20·7	176 177 178 179 180	173·3 174·3 175·3 176·3 177·3	30.6 30.7 30.9 31.1 31.3	236 237 238 239 240	232·4 233·4 234·4 235·4 236·4	41·0 41·2 41·3 41·5 41·7	296 297 298 299 300	291·5 292·5 293·5 294·5 295·4	51.4 51.6 51.7 51.9 52.1
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1 01·0 00·2	61 59.9 11.6	121 118·8 23·1	181 177·7 34·5	241 236.6 46.0
2 02·0 00·4	62 60.9 11.8	122 119·8 23·3	182 178·7 34·7	242 237.6 46.2
3 02·9 00·6	63 61.8 12.0	123 120·7 23·5	183 179·6 34·9	243 238.5 46.4
4 03·9 00·8	64 62.8 12.2	124 121·7 23·7	184 180·6 35·1	244 239.5 46.6
5 04·9 01·0	65 63.8 12.4	125 122·7 23·9	185 181·6 35·3	245 240.5 46.7
6 05·9 01·1	66 64·8 12·6	126 123·7 24·0	186 182·6 35·5	246 241.5 46.9
7 06·9 01·3	67 65·8 12·8	127 124·7 24·2	187 183·6 35·7	247 242.5 47.1
8 07·9 01·5	68 66·8 13·0	128 125·6 24·4	188 184·5 35·9	248 243.4 47.3
9 08·8 01·7	69 67·7 13·2	129 126·6 24·6	189 185·5 36·1	249 244.4 47.5
10 09·8 01·9	70 68·7 13·4	130 127·6 24·8	190 186·5 36·3	250 245.4 47.7
11 10·8 02·1	71 69·7 13·5	131 128·6 25·0	191 187·5 36·4	251 246:4 47:9
12 11·8 02·3	72 70·7 13·7	132 129·6 25·2	192 188·5 36·6	252 247:4 48:1
13 12·8 02·5	73 71·7 13·9	133 130·6 25·4	193 189·5 36·8	253 248:4 48:3
14 13·7 02·7	74 72·6 14·1	134 131·5 25·6	194 190·4 37·0	254 249:3 48:5
15 14·7 02·9	75 73·6 14·3	135 132·5 25·8	195 191·4 37·2	255 250:3 48:7
16 15·7 03·1	76 74·6 14·5	136 133·5 26·0	196 192.4 37.4	256 251:3 48:8
17 16·7 03·2	77 75·6 14·7	137 134·5 26·1	197 193.4 37.6	257 252:3 49:0
18 17·7 03·4	78 76·6 14·9	138 135·5 26·3	198 194.4 37.8	258 253:3 49:2
19 18·7 03·6	79 77·5 15·1	139 136·4 26·5	199 195.3 38.0	259 254:2 49:4
20 19·6 03·8	80 78·5 15·3	140 137·4 26·7	200 196.3 38.2	260 255:2 49:6
21 20 6 04 0	81 79·5 15·5	141 138·4 26·9	201 197·3 38·4	261 256·2 49·8
22 21 6 04 2	82 80·5 15·6	142 139·4 27·1	202 198·3 38·5	262 257·2 50·0
23 22 6 04 4	83 81·5 15·8	143 140·4 27·3	203 199·3 38·7	263 258·2 50·2
24 23 6 04 6	84 82·5 16·0	144 141·4 27·5	204 200·3 38·9	264 259·1 50·4
25 24 5 04 8	85 83·4 16·2	145 142·3 27·7	205 201·2 39·1	265 260·1 50·6
26 25·5 05·0	86 84.4 16.4	146 143·3 27·9	206 202·2 39·3	266 261 1 50 8
27 26·5 05·2	87 85.4 16.6	147 144·3 28·0	207 203·2 39·5	267 262 1 50 9
28 27·5 05·3	88 86.4 16.8	148 145·3 28·2	208 204·2 39·7	268 263 1 51 1
29 28·5 05·5	89 87.4 17.0	149 146·3 23·4	209 205·2 39·9	269 264 1 51 3
30 29·4 05·7	90 88.3 17.2	150 147·2 28·6	210 206·1 40·1	270 265 0 51 5
31 30·4 05·9	91 89:3 17:4	151 148·2 28·8	211 207·1 40·3	271 266·0 51·7
32 31·4 06·1	92 90:3 17:6	152 149·2 29·0	212 208·1 40·5	272 267·0 51·9
33 32·4 06·3	93 91:3 17:7	153 150·2 29·2	213 209·1 40·6	273 268·0 52·1
34 33·4 06·5	94 92:3 17:9	154 151·2 29·4	214 210·1 40·8	274 269·0 52·3
35 34·4 06·7	95 93:3 18:1	155 152·2 29·6	215 211·0 41·0	275 269·9 52·5
36 35·3 06·9	96 94.2 18.3	156 153·1 29·8	216 212·0 41·2	276 270·9 52·7
37 36·3 07·1	97 95.2 18.5	157 154·1 30·0	217 213·0 41·4	277 271·9 52·9
38 37·3 07·3	98 96.2 18.7	158 155·1 30·1	218 214·0 41·6	278 272·9 53·0
39 38·3 07·4	99 97.2 18.9	159 156·1 30·3	219 215·0 41·8	279 273·9 53·2
40 39·3 07·6	100 98.2 19.1	160 157·1 30·5	220 216·0 42·0	280 274·9 53·4
41 40·2 07·8	101 99:1 19:3	161 158:0 30:7	221 216·9 42·2	281 275·8 53·6
42 41·2 08·0	102 100:1 19:5	162 159:0 30:9	222 217·9 42·4	282 276·8 53·8
43 42·2 08·2	103 101:1 19:7	163 160:0 31:1	223 218·9 42·6	283 277·8 54·0
44 43·2 08·4	104 102:1 19:8	164 161:0 31:3	224 219·9 42·7	284 278·8 54·2
45 44·2 08·6	105 103:1 20:0	165 162:0 31:5	225 220·9 42·9	285 279·8 54·4
46 45.2 08.8	106 104·1 20·2	166 163.0 31.7	226 221·8 43·1	286 280·7 54·6
47 46.1 09.0	107 105·0 20·4	167 163.9 31.9	227 222·8 43·3	287 281·7 54·8
48 47.1 09.2	108 106·0 20·6	163 164.9 32.1	228 223·8 43·5	288 282·7 55·0
49 48.1 09.3	109 107·0 20·8	169 165.9 32.2	229 224·8 43·7	289 283·7 55·1
50 49.1 09.5	110 108·0 21·0	170 166.9 32.4	230 225·8 43·9	290 284·7 55·3
51 50·1 09·7	111 109·0 21·2	171 167-9 32-6	231 226·8 44·1	291 285·7 55·5
52 51·0 09·9	112 109·9 21·4	172 168-8 32-8	232 227·7 44·3	292 286·6 55·7
53 52·0 10·1	113 110·9 21·6	173 169-8 33-0	233 228·7 44·5	293 287·6 55·9
54 53·0 10·3	114 111·9 21·8	174 170-8 33-2	234 229·7 44·6	294 288·6 56·1
55 54·0 10·5	115 112·9 21·9	175 171-8 33-4	235 230·7 44·8	295 289·6 56·3
56 55.0 10.7	116 113 9 22 1	176 172·8 33·6	236 231·7 45·0	296 290.6 56.5
57 56.0 10.9	117 114 9 22 3	177 173·7 33·8	237 232·6 45·2	297 291.5 56.7
58 56.9 11.1	118 115 8 22 5	178 174·7 34·0	238 233·6 45·4	298 292.5 56.9
59 57.9 11.3	119 116 8 22 7	179 175·7 34·2	239 234·6 45·6	299 293.5 57.1
60 58.9 11.4	120 117 8 22 9	180 176·7 34·3	240 235·6 45·8	300 294.5 57.2
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	1	01·0	00.2	61	59.7	12·7	121	118·4	25·2	181	177.0	37.6	241	235.7	50·1
	2	02·0	00.4	62	60.6	12·9	122	119·3	25·4	182	178.0	37.8	242	236.7	50·3
	3	02·9	00.6	63	61.6	13·1	123	120·3	25·6	183	179.0	38.0	243	237.7	50·5
	4	03·9	00.8	64	62.6	13·3	124	121·3	25·8	184	180.0	38.3	244	238.7	50·7
	5	04·9	01.0	65	63.6	13·5	125	122·3	26·0	185	181.0	38.5	245	239.6	50·9
	6	05·9	01·2	66	64.6	13.7	126	123·2	26·2	186	181.9	38·7	246	240.6	51·1
	7	06·8	01·5	67	65.5	13.9	127	124·2	26·4	187	182.9	38·9	247	241.6	51·4
	8	07·8	01·7	68	66.5	14.1	128	125·2	26·6	188	183.9	39·1	248	242.6	51·6
	9	08·8	01·9	69	67.5	14.3	129	126·2	26·8	189	184.9	39·3	249	243.6	51·8
	10	09·8	02·1	70	68.5	14.6	130	127·2	27·0	190	185.8	39·5	250	244.5	52·0
	11	10·8	02·3	71	69·4	14.8	131	128·1	27·2	191	186.8	39·7	251	245·5	52·2
	12	11·7	02·5	72	70·4	15.0	132	129·1	27·4	192	187.8	39·9	252	246·5	52·4
	13	12·7	02·7	73	71·4	15.2	133	130·1	27·7	193	188.8	40·1	253	247·5	52·6
	14	13·7	02·9	74	72·4	15.4	134	131·1	27·9	194	189.8	40·3	254	248·4	52·8
	15	14·7	03·1	75	73·4	15.6	135	132·0	28·1	195	190.7	40·5	255	249·4	53·0
	16	15.7	03·3	76	74·3	15.8	136	133·0	28·3	196	191.7	40.8	256	250·4	53·2
	17	16.6	03·5	77	75·3	16.0	137	134·0	28·5	197	192.7	41.0	257	251·4	53·4
	18	17.6	03·7	78	76·3	16.2	138	135·0	28·7	198	193.7	41.2	258	252·4	53·6
	19	18.6	04·0	79	77·3	16.4	139	136·0	28·9	199	194.7	41.4	259	253·3	53·8
	20	19.6	04·2	80	78·3	16.6	140	136·9	29·1	200	195.6	41.6	260	254·3	54·1
	21	20·5	04·4	81	79·2	16·8	141	137.9	29·3	201	196.6	41.8	261	255·3	54·3
	22	21·5	04·6	82	80·2	17·0	142	138.9	29·5	202	197.6	42.0	262	256·3	54·5
	23	22·5	04·8	83	81·2	17·3	143	139.9	29·7	203	198.6	42.2	263	257·3	54·7
	24	23·5	05·0	84	82·2	17·5	144	140.9	29·9	204	199.5	42.4	264	258·2	54·9
	25	24·5	05·2	85	83·1	17·7	145	141.8	30·1	205	200.5	42.6	265	259·2	55·1
	26	25·4	05·4	86	84·1	17:9	146	142·8	30.4	206	201.5	42.8	266	260·2	55·3
	27	26·4	05·6	87	85·1	18:1	147	143·8	30.6	207	202.5	43.0	267	261·2	55·5
	28	27·4	05·8	88	86·1	18:3	148	144·8	30.8	208	203.5	43.2	268	262·1	55·7
	29	28·4	06·0	89	87·1	18:5	149	145·7	31.0	209	204.4	43.5	269	263·1	55·9
	30	29·3	06·2	90	88·0	18:7	150	146·7	31.2	210	205.4	43.7	270	264·1	56·1
	31	30·3	06·4	91	89.0	18.9	151	147.7	31·4	211	206·4	43.9	271	265·1	56·3
	32	31·3	06·7	92	90.0	19.1	152	148.7	31·6	212	207·4	44.1	272	266·1	56·6
	33	32·3	06·9	93	91.0	19.3	153	149.7	31·8	213	208·3	44.3	273	267·0	56·8
	34	33·3	07·1	94	91.9	19.5	154	150.6	32·0	214	209·3	44.5	274	268·0	57·0
	35	34·2	07·3	95	92.9	19.8	155	151.6	32·2	215	210·3	44.7	275	269·0	57·2
	36	35·2	07·5	96	93.9	20.0	156	152.6	32·4	216	211·3	44.9	276	270.0	57·4
	37	36·2	07·7	97	94.9	20.2	157	153.6	32·6	217	212·3	45.1	277	270.9	57·6
	38	37·2	07·9	98	95.9	20.4	158	154.5	32·9	218	213·2	45.3	278	271.9	57·8
	39	38·1	08·1	99	96.8	20.6	159	155.5	33·1	219	214·2	45.5	279	272.9	58·0
	40	39·1	08·3	100	97.8	20.8	160	156.5	33·3	220	215·2	45.7	280	273.9	58·2
	41	40·1	08·5	101	98.8	21·0	161	157.5	33.5	221	216·2	45.9	281	274.9	58·4
	42	41·1	08·7	102	99.8	21·2	162	158.5	33.7	222	217·1	46.2	282	275.8	58·6
	43	42·1	08·9	103	100.7	21·4	163	159.4	33.9	223	218·1	46.4	283	276.8	58·8
	44	43·0	09·1	104	101.7	21·6	164	160.4	34.1	224	219·1	46.6	284	277.8	59·0
	45	44·0	09·4	105	102.7	21·8	165	161.4	34.3	225	220·1	46.8	285	278.8	59·3
	46	45.0	09.6	106	103.7	22·0	166	162·4	34·5	226	221·1	47.0	286	279·8	59·5
	47	46.0	09.8	107	104.7	22·2	167	163·4	34·7	227	222·0	47.2	287	280·7	59·7
	48	47.0	10.0	108	105.6	22·5	168	164·3	34·9	228	223·0	47.4	288	281·7	59·9
	49	47.9	10.2	109	106.6	22·7	169	165·3	35·1	229	224·0	47.6	289	282·7	60·1
	50	48.9	10.4	110	107.6	22·9	170	166·3	35·3	230	225·0	47.8	290	283·7	60·3
	51	49.9	10.6	111	108.6	23·1	171	167·3	35.6	231	226·0	48.0	291	284.6	60·5
	52	50.9	10.8	112	109.6	23·3	172	168·2	35.8	232	226·9	48.2	292	285.6	60·7
	53	51.8	11.0	113	110.5	23·5	173	169·2	36.0	233	227·9	48.4	293	286.6	60·9
	54	52.8	11.2	114	111.5	23·7	174	170·2	36.2	234	228·9	48.7	294	287.6	61·1
	55	53.8	11.4	115	112.5	23·9	175	171·2	36.4	235	229·9	48.9	295	288.6	61·3
	56	54.8	11.6	116	113.5	24·1	176	172·2	36.6	236	230.8	49·1	296	289 5	61.5
	57	55.8	11.9	117	114.4	24·3	177	173·1	36.8	237	231.8	49·3	297	290 5	61.7
	58	56.7	12.1	118	115.4	24·5	178	174·1	37.0	238	232.8	49·5	298	291 5	62.0
	59	57.7	12.3	119	116.4	24·7	179	175·1	37.2	239	233.8	49·7	299	292 5	62.2
	60	58.7	12.5	120	117.4	24·9	180	176·1	37.4	240	234.8	49·9	300	293 4	62.4
	Dist.	Dep	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1 2 3 4 5	01.0 01.9 02.9 03.9 04.9	00·2 00·4 00·7 00·9 01·1	61 62 63 64 65	59.4 60.4 61.4 62.4 63.3	13.7 13.9 14.2 14.4 14.6	121 122 123 124 125	117:9 118:9 119:8 120:8 121:8	27·2 27·4 27·7 27·9 28·1	181 182 183 184 185	176.4 177.3 178.3 179.3 180.3	40.7 40.9 41.2 41.4 41.6	241 242 243 244 245	234·8 235·8 236·8 237·7 238·7	54·2 54·4 54·7 54·9 55·1
6 7 8 9 10	05·8 06·8 07·8 08·8 09·7	01.8 01.8 02.0 02.2	66 67 68 69 70	64·3 65·3 66·3 67·2 68·2	14.8 15.1 15.3 15.5 15.7	126 127 128 129 130	122·8 123·7 124·7 125·7 126·7	28·3 28·6 28·8 29·0 29·2	186 187 188 189 190	181·2 182·2 183·2 184·2 185·1	41.8 42.1 42.3 42.5 42.7	246 247 248 249 250	239·7 240·7 241·6 242·6 243·6	55.8 55.8 56.0 56.2
11 12 13 14 15	10·7 11·7 12·7 13·6 14·6	02·5 02·7 02·9 03·1 03·4	71 72 73 74 75	69·2 70·2 71·1 72·1 73·1	16.0 16.2 16.4 16.6 16.9	131 132 133 134 135	127.6 128.6 129.6 130.6 131.5	29.5 29.7 29.9 30.1 30.4	191 192 193 194 195	186:1 187:1 188:1 189:0 190:0	43.0 43.2 43.4 43.6 43.9	251 252 253 254 255	244.6 245.5 246.5 247.5 248.5	56.5 56.7 56.9 57.1 57.4
16 17 18 19 20	15.6 16.6 17.5 18.5 19.5	03.6 03.8 04.0 04.3 04.5	76 77 78 79 80	74·1 75·0 76·0 77·0 77·9	17:1 17:3 17:5 17:8 18:0	136 137 138 139 140	132·5 133·5 134·5 135·4 136·4	30.6 30.8 31.0 31.3 31.5	196 197 198 199 200	191.0 192.0 192.9 193.9 194.9	44·1 44·3 44·5 44·8 45·0	256 257 258 259 260	249·4 250·4 251·4 252·4 253·3	57.6 57.8 58.0 58.3 58.5
21 22 23 24 25	20.5 21.4 22.4 23.4 24.4	04·7 04·9 05·2 05·4 05·6	81 82 83 84 85	78·9 79·9 80·9 81·8 82·8	18·2 18·4 18·7 18·9 19·1	141 142 143 144 145	137·4 138·4 139·3 140·3 141·3	31·7 31·9 32·2 32·4 32·6	201 202 203 204 205	195.8 196.8 197.8 198.8 199.7	45·2 45·4 45·7 45·9 46·1	261 262 263 264 265	254·3 255·3 256·3 257·2 258·2	58·7 58·9 59·2 59·4 59·6
26 27 28 29 80	25·3 26·3 27·3 28·3 29·2	05·8 06·1 06·3 06·5 06·7	86 87 88 89 90	83·8 84·8 85·7 86·7 87·7	19·3 19·6 19·8 20·0 20·2	146 147 148 149 150	142·3 143·2 144·2 145·2 146·2	32·8 33·1 33·3 33·5 33·7	206 207 208 209 210	200·7 201·7 202·7 203·6 204·6	46.8 46.8 47.0 47.2	266 267 268 269 270	259·2 260·2 261·1 262·1 263·1	59.8 60.1 60.3 60.5 60.7
81 32 33 34 85	30·2 31·2 32·2 33·1 34·1	07·0 07·2 07·4 07·6 07·9	91 92 93 94 95	88·7 89·6 90·6 91·6 92·6	20.5 20.7 20.9 21.1 21.4	151 152 153 154 155	147·1 148·1 149·1 150·1 151·0	34·0 34·2 34·4 34·6 34·9	211 212 213 214 215	205.6 206.6 207.5 208.5 209.5	47.5 47.7 47.9 48.1 48.4	271 272 273 274 275	264·1 265·0 266·0 267·0 268·0	61.0 61.2 61.4 61.6 61.9
36 37 38 39 40	35·1 36·1 37·0 38·0 39·0	08·1 08·3 08·5 08·8 09·0	96 97 98 99 100	93·5 94·5 95·5 96·5 97·4	21.6 21.8 22.0 22.3 22.5	156 157 158 159 160	152.0 153.0 154.0 154.9 155.9	35·1 35·3 35·5 35·8 36·0	216 217 218 219 220	210·5 211·4 212·4 213·4 214·4	48.6 48.8 49.0 49.3 49.5	276 277 278 279 280	268·9 269·9 270·9 271·8 272·8	62·1 62·3 62·5 62·8 63·0
41 42 43 44 45	39.9 40.9 41.9 42.9 43.8	09·2 09·4 09·7 09·9 10·1	101 102 103 104 105	98·4 99·4 100·4 101·3 102·3	22·7 22·9 23·2 23·4 23·6	161 162 163 164 165	156.9 157.8 158.8 159.8 160.8	36·2 36·4 36·7 36·9 37·1	221 222 223 224 225	215·3 216·3 217·3 218·3 219·2	49.7 49.9 50.2 50.4 50.6	281 282 283 284 285	273·8 274·8 275·7 276·7 277·7	63·2 63·4 63·7 63·9 64·1
48	44.8 45.8 46.8 47.7 48.7	10.3 10.6 10.8 11.0 11.2	106 107 108 109 110	103·3 104·3 105·2 106·2 107·2	23·8 24·1 24·3 24·5 24·7	166 167 168 169 170	161.7 162.7 163.7 164.7 165.6	37·3 37·6 37·8 38·0 38·2	226 227 228 229 230	220·2 221·2 222·2 223·1 224·1	50·8 51·1 51·3 51·5 51·7	286 287 288 289 290	278·7 279·6 280·6 281·6 282·6	64.8 64.8 65.0 65.2
52 53 54 55	49·7 50·7 51·6 52·6 53·6	11.5 11.7 11.9 12.1 12.4	111 112 113 114 115	108·2 109·1 110·1 111·1 112·1	25·0 25·2 25·4 25·6 25·9	171 172 173 174 175	166.6 167.6 168.6 169.5 170.5	38·5 38·7 38·9 39·1 39·4	231 232 233 234 235	225·1 226·1 227·0 228·0 229·0	52·0 52·2 52·4 52·6 52·9	291 292 293 294 295	283·5 284·5 285·5 286·5 287·4	65·5 65·7 65·9 66·1 66·4
57 58 59	54.6 55.5 56.5 57.5 58.5	12.6 12.8 13.0 13.3 13.5	116 117 118 119 120	113·0 114·0 115·0 116·0 116·9	26·1 26·3 26·5 26·8 27·0	176 177 178 179 180	171.5 172.5 173.4 174.4 175.4	39.6 39.8 40.0 40.3 40.5	236 237 238 239 240	230·0 230·9 231·9 232·9 233·8	53·1 53·5 53·5 53·8 54·0	296 297 298 299 300	288·4 289·4 290·4 291·3 292·3	66.8 67.0 67.3 67.5
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2 01.9 00.5	62 60·2 15·0	122 118·4 29·5	182 176·6 44·0	242 234·8 58·5
3 02.9 00.7	63 61·1 15·2	123 119·3 29·8	183 177·6 44·3	243 235·8 58·8
4 03.9 01.0	64 62·1 15·5	124 120·3 30·0	184 178·5 44·5	244 236·8 59·0
5 04.9 01.2	65 63·1 15·7	125 121·3 30·2	185 179·5 44·8	245 237·7 59·3
6 05·8 01·5	66 64.0 16.0	126 122·3 30·5	186 180·5 45·0	246 238·7 59·5
7 06·8 01·7	67 65.0 16.2	127 123·2 30·7	187 181·4 45·2	247 239·7 59·8
8 07·8 01·9	68 66.0 16.5	128 124·2 31·0	188 182·4 45·5	248 240·6 60·0
9 08·7 02·2	69 67.0 16.7	129 125·2 31·2	189 183·4 45·7	249 241·6 60·2
10 09·7 02·4	70 67.9 16.9	130 126·1 31·4	190 184·4 46·0	250 242·6 60·5
11 10·7 02·7	71 68·9 17·2	131 127·1 31·7	191 185·3 46·2	251 243·5 60·7
12 11·6 02·9	72 69·9 17·4	132 128·1 31·9	192 186·3 46·4	252 244·5 61·0
13 12·6 03·1	73 70·8 17·7	133 129·0 32·2	193 187·3 46·7	253 245·5 61·2
14 13·6 03·4	74 71·8 17·9	134 130·0 32·4	194 188·2 46·9	254 246·5 61·4
15 14·6 03·6	75 72·8 18·1	135 131·0 32·7	195 189·2 47·2	255 247·4 61·7
16 15.5 03.9	76 73·7 18·4	136 132·0 32·9	196 190·2 47·4	256 248:4 61:9
17 16.5 04.1	77 74·7 18·6	137 132·9 33·1	197 191·1 47·7	257 249:4 62:2
18 17.5 04.4	78 75·7 18·9	138 133·9 33·4	198 192·1 47·9	258 250:3 62:4
19 18.4 04.6	79 76·7 19·1	139 134·9 33·6	199 193·1 48·1	259 251:3 62:7
20 19.4 04.8	80 77·6 19·4	140 135·8 33·9	200 194·1 48·4	260 252:3 62:9
21 20.4 05.1	81 78.6 19.6	141 136·8 34·1	201 195·0 48·6	261 253·2 63·1
22 21.3 05.3	82 79.6 19.8	142 137·8 34·4	202 196·0 48·9	262 254·2 63·4
23 22.3 05.6	83 80.5 20.1	143 138·8 34·6	203 197·0 49·1	263 255·2 63·6
24 23.3 05.8	84 81.5 20.3	144 139·7 34·8	204 197·9 49·4	264 256·2 63·9
25 24.3 06.0	85 82.5 20.6	145 140·7 35·1	205 198·9 49·6	265 257·1 64·1
26 25·2 06·3	86 83.4 20.8	146 141.7 35.3	206 199·9 49·8	266 258·1 64·4
27 26·2 06·5	87 84.4 21.0	147 142.6 35.6	207 200·9 50·1	267 259·1 64·6
28 27·2 06·8	88 85.4 21.3	148 143.6 35.8	208 201·8 50·3	268 260·0 64·8
29 28·1 07·0	89 86.4 21.5	149 144.6 36.0	209 202·8 50·6	269 261·0 65·1
30 29·1 07·3	90 87.3 21.8	150 145.5 36.3	210 203·8 50·8	270 262·0 65·3
31 30·1 07·5	91 88·3 22·0	151 146 5 36 5	211 204·7 51·0	271 263·0 65·6
32 31·0 07·7	92 89·3 22·3	152 147 5 36 8	212 205·7 51·3	272 263·9 65·8
33 32·0 08·0	93 90·2 22·5	153 148 5 37 0	213 206·7 51·5	273 264·9 66·0
34 33·0 08·2	94 91·2 22·7	154 149 4 37 3	214 207·6 51·8	274 265·9 66·3
35 34·0 08·5	95 92·2 23·0	155 150 4 37 5	215 208·6 52·0	275 266·8 66·5
36 34.9 08.7	96 93·1 23·2	156 151·4 37·7	216 209·6 52·3	276 267 8 66 8
37 35.9 09.0	97 94·1 23·5	157 152·3 38·0	217 210·6 52·5	277 268 8 67 0
38 36.9 09.2	98 95·1 23·7	158 153·3 38·2	218 211·5 52·7	278 269 7 67 3
39 37.8 09.4	99 96·1 24·0	159 154·3 38·5	219 212·5 53·0	279 270 7 67 5
40 38.8 09.7	100 97·0 24·2	160 155·2 38·7	220 213·5 53·2	280 271 7 67 7
41 39·8 09·9	101 98.0 24.4	161 156·2 38·9	221 214·4 53·5	281 272·7 68·0
42 40·8 10·2	102 99.0 24.7	162 157·2 39·2	222 215·4 53·7	282 273·6 68·2
43 41·7 10·4	103 99.9 24.9	163 158·2 39·4	223 216·4 53·9	283 274·6 68·5
44 42·7 10·6	104 100.9 25.2	164 159·1 39·7	224 217·3 54·2	284 275·6 68·7
45 43·7 10·9	105 101.9 25.4	165 160·1 39·9	225 218·3 54·4	285 276·5 68·9
46 44.6 11.1	106 102:9 25:6	166 161·1 40·2	226 219·3 54·7	286 277·5 69·2
47 45.6 11.4	107 103:8 25:9	167 162·0 40·4	227 220·3 54·9	287 278·5 69·4
48 46.6 11.6	108 104:8 26:1	168 163·0 40·6	228 221·2 55·2	288 279·4 69·7
49 47.5 11.9	109 105:8 26:4	169 164·0 40·9	229 222·2 55·4	289 280·4 69·9
50 48.5 12.1	110 106:7 26:6	170 165·0 41·1	230 223·2 55·6	290 281·4 70·2
51 49.5 12.3	111 107·7 26·9	171 165:9 41:4	231 224·1 55·9	291 282·4 70·4
52 50.5 12.6	112 108·7 27·1	172 166:9 41:6	232 225·1 56·1	292 283·3 70·6
53 51.4 12.8	113 109·6 27·3	173 167:9 41:9	233 226·1 56·4	293 284·3 70·9
54 52.4 13.1	114 110·6 27·6	174 168:8 42:1	234 227·0 56·6	294 285·3 71·1
55 53.4 13.3	115 111·6 27·8	175 169:8 42:3	235 228·0 56·9	295 286·2 71·4
56 54·3 13·5	116 112·6 28·1	176 170·8 42·6	236 229·0 57·1	296 287-2 71-6
57 55·3 13·8	117 113·5 28·3	177 171·7 42·8	237 230·0 57·3	297 288-2 71-9
58 56·3 14·0	118 114·5 28·6	178 172·7 43·1	238 230·9 57·6	298 289-1 72-1
59 57·2 14·3	119 115·5 28·8	179 173·7 43·3	239 231·9 57·8	299 290-1 72-3
60 58·2 14·5	120 116·4 29·0	180 174·7 43·5	240 232·9 58·1	300 291-1 72-6
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2 01·9 00·5	62 59°9 16°0	122 117·8 81·6	182 175*8 47*1	242 233·8 62·6
3 02·9 00·8	63 60°9 16°3	123 118·8 81·8	183 176*8 47*4	243 234·7 62·9
4 03·9 01·0	64 61°8 16°6	124 119·8 32·1	184 177*7 47*6	244 235·7 63·2
5 04·8 01·3	65 62°8 16°8	125 120·7 32·4	185 178*7 47*9	245 236·7 63·4
6 05·8 01·6	66 63·8 17·1	126 121·7 32·6	186 179·7 48·1	246 237·6 63·7
7 06·8 01·8	67 64·7 17·3	127 122·7 32·9	187 180·6 48·4	247 238·6 63·9
8 07·7 02·1	68 65·7 17·6	128 123·6 33·1	188 181·6 48·7	248 239·5 64·2
9 08·7 02·3	69 66·6 17·9	129 124·6 33·4	189 182·6 48·9	249 240·5 64·4
10 09·7 02·6	70 67·6 18·1	130 125·6 33·6	190 183·5 49·2	250 241·5 64·7
11 10·6 02·8	71 68*6 18*4	131 126·5 33·9	191 184·5 49·4	251 242·4 65·0
12 11·6 03·1	72 69*5 18*6	132 127·5 34·2	192 185·5 49·7	252 243·4 65·2
13 12·6 03·4	73 70*5 18*9	133 128·5 34·4	193 186·4 50·0	253 244·4 65·5
14 13·5 03·6	74 71*5 19*2	134 129·4 34·7	194 187·4 50·2	254 245·3 65·7
15 14·5 03·9	75 72*4 19*4	135 130·4 34·9	195 188·4 50·5	255 246·3 66·0
16 15.5 04.1	76 73.4 19.7	136 131·4 35·2	196 189·3 50·7	256 247°3 66°3
17 16.4 04.4	77 74.4 19.9	137 132·3 35·5	197 190·3 51·0	257 248°2 66°5
18 17.4 04.7	78 75.3 20.2	138 133·3 35·7	198 191·3 51·2	258 249°2 66°8
19 18.4 04.9	79 76.3 20.4	139 134·3 36·0	199 192·2 51·5	259 250°2 67°0
20 19.3 05.2	80 77.3 20.7	140 135·2 36·2	200 193·2 51·8	260 251°1 67°3
21 20·3 05·4	81 78·2 21·0	141 136·2 36·5	201 194·2 52·0	261 252·1 67·6
22 21·3 05·7	82 79·2 21·2	142 137·2 36·8	202 195·1 52·3	262 253·1 67·8
23 22·2 06·0	83 80·2 21·5	143 138·1 37·0	203 196·1 52·5	263 254·0 68·1
24 23·2 06·2	84 81·1 21·7	144 139·1 37·3	204 197·0 52·8	264 255·0 68·3
25 24·1 06·5	85 82·1 22·0	145 140·1 37·5	205 198·0 53·1	265 256·0 68·6
26 25·1 06·7	86 83°1 22°3	146 141 0 37 8	206 199·0 53·3	266 256.9 68.8
27 26·1 07·0	87 84°0 22°5	147 142 0 38 0	207 199·9 53·6	267 257.9 69.1
28 27·0 07·2	88 85°0 22°8	148 143 0 38 3	208 200·9 53·8	268 258.9 69.4
29 28·0 07·5	89 86°0 23°0	149 143 9 38 6	209 201·9 54·1	269 259.8 69.6
30 29·0 07·8	90 86°9 23°3	150 144 9 38 8	210 202·8 54·4	270 260.8 69.9
31 29·9 08·0	91 87.9 23.6	151 145·9 39·1	211 203·8 54·6	271 261·8 70·1
32 30·9 08·3	92 88.9 23.8	152 146·8 39·3	212 204·8 54·9	272 262·7 70·4
33 31·9 08·5	93 89.8 24.1	153 147·8 39·6	213 205·7 55·1	273 263·7 70·7
34 32·8 08·8	94 90.8 24.3	154 148·8 39·9	214 206·7 55·4	274 264·7 70·9
35 33·8 09·1	95 91.8 24.6	155 149·7 40·1	215 207·7 55·6	275 265·6 71·2
36 34·8 09·3	96 92·7 24·8	156 150·7 40·4	216 208·6 55·9	276 266 6 71 4
37 35·7 09·6	97 93·7 25·1	157 151·7 40·6	217 209·6 56·2	277 267 6 71 7
38 36·7 09·8	98 94·7 25·4	158 152·6 40·9	218 210·6 56·4	278 268 5 72 0
39 37·7 10·1	99 95·6 25·6	159 153·6 41·2	219 211·5 56·7	279 269 5 72 2
40 38·6 10·4	100 96·6 25·9	160 154·5 41·4	220 212·5 56·9	280 270 5 72 5
41 39.6 10.6	101 97.6 26.1	161 155·5 41·7	221 213·5 57·2	281 271.4 72.7
42 40.6 10.9	102 98.5 26.4	162 156·5 41·9	222 214·4 57·5	282 272.4 73.0
43 41.5 11.1	103 99.5 26.7	163 157·4 42·2	223 215·4 57·7	283 273.4 73.2
44 42.5 11.4	104 100.5 26.9	164 158·4 42·4	224 216·4 58·0	284 274.3 73.5
45 43.5 11.6	105 101.4 27.2	165 159·4 42·7	225 217·3 58·2	285 275.3 73.8
46 44 4 11 9	106 102·4 27·4	166 160·3 43·0	226 218·3 58·5	286 276·3 74·0
47 45 4 12 2	107 103·4 27·7	167 161·3 43·2	227 219·3 58·8	287 277·2 74·3
48 46 4 12 4	108 104·3 28·0	168 162·3 43·5	228 220·2 59·0	288 278·2 74·5
49 47 3 12 7	109 105·3 28·2	169 163·2 43·7	229 221·2 59·3	289 279·2 74·8
50 48 3 12 9	110 106·3 28·5	170 164·2 44·0	230 222·2 59·5	290 280·1 75·1
51 49·3 13·2	111 107·2 28·7	171 165·2 44·3	231 223 1 59 8	291 281·1 75·3
52 50·2 13·5	112 108·2 29·0	172 166·1 44·5	232 224 1 60 0	292 282·1 75·6
53 51·2 13·7	113 109·1 29·2	173 167·1 44·8	233 225 1 60 3	293 283·0 75·8
54 52·2 14·0	114 110·1 29·5	174 168·1 45·0	234 226 0 60 6	294 284·0 76·1
55 53·1 14·2	115 111·1 29·8	175 169·0 45·3	235 227 0 60 8	295 284·9 76·4
56 54·1 14·5	116 112·0 30·0	176 170.0 45.6	236 228.0 61.1	296 285·9 76·6
57 55·1 14·8	117 113·0 30·3	177 171.0 45.8	237 228.9 61.3	297 286·9 76·9
58 56·0 15·0	118 114·0 30·5	178 171.9 46.1	238 229.9 61.6	298 287·8 77·1
59 57·0 15·3	119 114·9 30·8	179 172.9 46.3	239 230.9 61.9	299 288·8 77·4
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7 0 8 0 9 0	05·8 06·7 07·7 08·7	01.7 01.9 02.2 02.5 02.8	66 67 68 69 70	63·4 64·4 65·4 66·3 67·3	18·2 18·5 18·7 19·0 19·3	126 127 128 129 130	121·1 122·1 123·0 124·0 125·0	34:7 35:0 35:3 35:6 35:8	186 187 188 189 190	178·8 179·8 180·7 181·7 182·6	51·3 51·5 51·8 52·1 52·4	246 247 248 249 250	236·5 237·4 238·4 239·4 240·3	67·8 68·1 68·4 68·6 68·9
12 1 13 1 14 1	10.6 11.5 12.5 13.5 14.4	03·0 03·3 03·6 03·9 04·1	71 72 73 74 75	68·2 69·2 70·2 71·1 72·1	19.6 19.8 20.1 20.4 20.7	131 132 133 134 135	125.9 126.9 127.8 128.8 129.8	36·1 36·4 36·7 36·9 37·2	191 192 193 194 195	183.6 184.6 185.5 186.5 187.4	52.6 52.9 53.2 53.5 53.7	251 252 253 254 255	241·3 242·2 243·2 244·2 245·1	69·2 69·5 69·7 70·0 70·3
17 1 18 1 19 1	15·4 16·3 17·3 18·3 19·2	04·4 04·7 05·0 05·2 05·5	76 77 78 79 80	73·1 74·0 75·0 75·9 76·9	20.9 21.2 21.5 21.8 22.1	136 137 138 139 140	130·7 131·7 132·7 133·6 134·6	37.5 37.8 38.0 38.3 38.6	196 197 198 199 200	188.4 189.4 190.3 191.3 192.3	54.0 54.3 54.6 54.9 55.1	256 257 258 259 260	246·1 247·0 248·0 249·0 249·9	70.6 70.8 71.1 71.4 71.7
22 2 23 2 24 2	20·2 21·1 22·1 23·1 24·0	05.8 06.1 06.3 06.6 06.9	81 82 83 84 85	77.9 78.8 79.8 80.7 81.7	22·3 22·6 22·9 23·2 23·4	141 142 143 144 145	135.5 136.5 137.5 138.4 139.4	38.9 39.1 39.4 39.7 40.0	201 202 203 204 205	193·2 194·2 195·1 196·1 197·1	55·4 55·7 56·0 56·2 56·5	261 262 263 264 265	250.9 251.9 252.8 253.8 254.7	71·9 72·2 72·5 72·8 73·0
27 2 28 2 29 2	25·0 26·0 26·9 27·9 28·8	07·2 07·4 07·7 08·0 08·3	86 87 88 89 90	82.7 83.6 84.6 85.6 86.5	23.7 24.0 24.3 24.5 24.8	146 147 148 149 150	140·3 141·3 142·3 143·2 144·2	40.2 40.5 40.8 41.1 41.3	206 207 208 209 210	198.0 199.9 200.9 201.9	56·8 57·1 57·3 57·6 57·9	266 267 268 269 270	255.7 256.7 257.6 258.6 259.5	73.8 73.6 73.9 74.1 74.4
32 3 33 3 34 3	29·8 30·8 31·7 32·7 33·6	08.5 08.8 09.1 09.4 09.6	91 92 93 94 95	87.5 88.4 89.4 90.4 91.3	25·1 25·4 25·6 25·9 26·2	151 152 153 154 155	145.2 146.1 147.1 148.0 149.0	41.6 41.9 42.2 42.4 42.7	211 212 213 214 215	202.8 203.8 204.7 205.7 206.7	58·2 58·4 58·7 59·0 59·3	271 272 273 274 275	260·5 261·5 262·4 263·4 264·3	74·7 75·0 75·2 75·5 75·8
37 38 39	34·6 35·6 36·5 37·5 38·5	09.9 10.2 10.5 10.7 11.0	96 97 98 99 100	92·3 93·2 94·2 95·2 96·1	26.5 26.7 27.0 27.3 27.6	156 157 158 159 160	150.0 150.9 151.9 152.8 153.8	43·0 43·3 43·6 43·8 44·1	216 217 218 219 220	207.6 208.6 209.6 210.5 211.5	59·5 59·8 60·1 60·4 60·6	276 277 278 279 280	265·3 266·3 267·2 268·2 269·2	76·1 76·4 76·6 76·9 77·2
42 43 44	39·4 40·4 41·3 42·3 43·3	11.3 11.6 11.9 12.1 12.4	101 102 103 104 105	97·1 98·0 99·0 100·0 100·9	27.8 28.1 28.4 28.7 28.9	161 162 163 164 165	154.8 155.7 156.7 157.6 158.6	44.4 44.7 44.9 45.2 45.5	221 222 223 224 225	212·4 213·4 214·4 215·3 216·3	60.9 61.2 61.5 61.7 62.0	281 282 283 284 285	270·1 271·1 272·0 273·0 274·0	77.5 77.7 78.0 78.3 78.6
47 48 49	44·2 45·2 46·1 47·1 48·1	12.7 13.0 13.2 13.5 13.8	106 107 108 109 110	101.9 102.9 103.8 104.8 105.7	29:2 29:5 29:8 30:0 30:3	166 167 168 169 170	159.6 160.5 161.5 162.5 163.4	45.8 46.0 46.3 46.6 46.9	226 227 228 229 230	217·2 218·2 219·2 220·1 221·1	62·3 62·6 62·8 63·1 63·4	286 287 288 289 290	274.9 275.9 276.8 277.8 278.8	78·8 79·1 79·4 79·7 79·9
52 53 54 55	49.0 50.0 50.9 51.9 52.9	14·1 14·3 14·6 14·9 15·2	111 112 113 114 115	106.7 107.7 108.6 109.6 110.5	30.6 30.9 31.1 31.4 31.7	171 172 173 174 175	164·4 165·3 166·3 167·3 168·2	47·1 47·4 47·7 48·0 48·2	231 232 233 234 235	222·1 223·0 224·0 224·9 225·9	63.7 63.9 64.2 64.5 64.8	291 292 293 294 295	279·7 280·7 281·6 282·6 283·6	80·2 80·5 80·8 81·0 81·3
57 58 59	53·8 54·8 55·8 56·7 57·7	15.4 15.7 16.0 16.3 16.5	116 117 118 119 120	111.5 112.5 113.4 114.4 115.4	32·0 32·2 32·5 32·8 33·1	176 177 178 179 180	169·2 170·1 171·1 172·1 173·0	48.5 48.8 49.1 49.3 49.6	236 237 238 239 240	226.9 227.8 228.8 229.7 230.7	65·1 65·3 65·6 65·9 66·2	296 297 298 299 300	284·5 285·5 286·5 287·4 288·4	81.6 81.9 82.1 82.4 82.7
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6 05·7 7 06·7 8 07·7 9 08·6 10 09·6	01·8 66 02·0 67 02·3 68 02·6 69 02·9 70	64·1 1 65·0 1 66·0 2	19·3 120 19·6 121 19·9 121 20·2 122 20·5 130	7 121.5 3 122.4 9 123.4	36·8 37·1 37·4 37·7 38·0	186 187 188 189 190	177.9 178.8 179.8 180.7 181.7	54·4 54·7 55·0 55·3 55·6	246 247 248 249 250	235·3 236·2 237·2 238·1 239·1	71.9 72.2 72.5 72.8 73.1
11 10·5 12 11·5 13 12·4 14 13·4 15 14·3	03·2 71 03·5 72 03·8 73 04·1 74 04·4 75	68.9 69.8 70.8 71.7	20·8 13: 21·1 13: 21·3 13: 21·6 13: 21·9 13:	2 126·2 3 127·2 4 128·1	38·3 38·6 38·9 39·2 39·5	191 192 193 194 195	182.7 183.6 184.6 185.5 186.5	55.8 56.1 56.4 56.7 57.0	251 252 253 254 255	240·0 241·9 242·9 243·9	73·4 73·7 74·0 74·3 74·6
16 15:8 17 16:8 18 17:2 19 18:2 20 19:1	04·7 76 05·0 77 05·3 78 05·6 79 05·8 80	73 6 5 74 6 5 75 5 5 76 5	22·2 130 22·5 130 22·8 130 23·1 130 23·4 140	131.0 3 132.0 3 132.9	39·8 40·1 40·3 40·6 40·9	196 197 198 199 200	187.4 188.4 189.3 190.3 191.3	57·3 57·6 57·9 58·2 58·5	256 257 258 259 260	244.8 245.8 246.7 247.7 248.6	74·8 75·1 75·4 75·7 76·0
21 20·1 22 21·0 23 22·0 24 23·0 25 23·9	06·1 81 06·4 82 06·7 83 07·0 84 07·3 85	78·4 5 79·4 5 80·3 5 81·3 5	23·7 14: 24·0 14: 24·3 14: 24·6 14: 24·9 14:	2 135·8 3 136·8 4 137·7 5 138·7	41.2 41.5 41.8 42.1 42.4	201 202 203 204 205	192·2 193·2 194·1 195·1 196·0	58·8 59·1 59·4 59·6 59·9	261 262 263 264 265	249.6 250.6 251.5 252.5 253.4	76·3 76·6 76·9 77·2 77·5
26 24.9 27 25.8 28 26.8 29 27.7 30 28.7	07·6 86 07·9 87 08·2 88 08·5 89 08·8 90	83·2 84·2 85·1 86·1	25·1 140 25·4 147 25·7 148 26·0 149 26·3 150	140.6 141.5 142.5 143.4	42.7 43.0 43.3 43.6 43.9	206 207 208 209 210	197.0 198.0 198.9 199.9 200.8	60·2 60·5 60·8 61·1 61·4	266 267 268 269 270	254·4 255·3 256·3 257·2 258·2	77.8 78.1 78.4 78.6 78.9
31 29.6 32 30.6 33 31.6 34 32.5 35 33.5	09·1 91 09·4 92 09·6 93 09·9 94 10·2 95	88.0 88.9 89.9 90.8	26.6 15: 26.9 15: 27.2 15: 27.5 15: 27.8 15:	2 145·4 3 146·3 4 147·3 5 148·2	44·1 44·4 44·7 45·0 45·3	211 212 213 214 215	201.8 202.7 203.7 204.6 205.6	61.7 62.0 62.3 62.6 62.9	271 272 273 274 275	259·2 260·1 261·1 262·0 263·0	79·2 79·5 79·8 80·1 80·4
36 34·4 87 35·4 38 36·3 39 37·3 40 38·3	10·5 96 10·8 97 11·1 98 11·4 99 11·7 100	92.8 93.7 94.7 95.6	28·1 150 28·4 157 28·7 158 28·9 159 29·2 160	150·1 3 151·1 9 152·1 9 153·0	45.9 46.2 46.5 46.8	216 217 218 219 220	206.6 207.5 208.5 209.4 210.4	63·2 63·4 63·7 64·0 64·3	276 277 278 279 280	263·9 264·9 265·9 266·8 267·8	80·7 81·0 81·3 81·6 81·9
41 39·2 42 40·2 43 41·1 44 42·1 45 43·0	12·0 101 12·3 102 12·6 103 12·9 104 13·2 105	97·5 2 98·5 3 99·5 3 100·4 3	29·5 16: 29·8 16: 30·1 16: 30·4 16: 30·7 16:	154·9 155·9 156·8 157·8	47·1 47·4 47·7 47·9 48·2	221 222 223 224 225	211·3 212·3 213·3 214·2 215·2	64.6 64.9 65.2 65.5 65.8	281 282 283 284 285	268·7 269·7 270·6 271·6 272·5	82·2 82·4 82·7 83·0 83·3
46 44·0 47 44·9 48 45·9 49 46·9 50 47·8	13·4 106 13·7 107 14·0 108 14·3 109 14·6 110	* 102·3 3 103·3 3 104·2 3 105·2 3	31 0 166 31 3 167 31 6 168 31 9 168 32 2 170	159·7 160·7 161·6 162·6	48.5 48.8 49.1 49.4 49.7	226 227 228 229 230	216·1 217·1 218·0 219·0 220·0	66.1 66.4 66.7 67.0 67.2	286 287 288 289 290	273·5 274·5 275·4 276·4 277·3	83.6 83.9 84.2 84.5 84.8
51 48·8 52 49·7 53 50·7 54 51·6 55 52·6	14.9 111 15.2 112 15.5 113 15.8 114 16.1 115	107·1 8 108·1 8 109·0 8 110·0 8	32·5 171 32·7 175 33·0 173 33·3 174 33·6 175	164.5 165.4 166.4 167.4	50·0 50·3 50·6 50·9 51·2	231 232 233 234 235	220·9 221·9 222·8 223·8 224·7	67.5 67.8 68.1 68.4 68.7	291 292 293 294 295	278·3 279·2 280·2 281·2 282·1	85·1 85·4 85·7 86·0 86·2
56 53.6 57 54.5 58 55.5 59 56.4 60 57.4	16·4 116 16·7 117 17·0 118 17·2 119 17·5 120	111.9 8 112.8 8 113.8 8	33·9 176 34·2 177 34·5 178 34·8 179 35·1 180	169·3 170·2 171·2	51.5 51.7 52.0 52.3 52.6	236 237 238 239 240	225·7 226·6 227·6 228·6 229·5	69·0 69·3 69·6 69·9 70·2	296 297 298 299 300	283·1 284·0 285·0 285·9 286·9	86·5 86·8 87·1 87·4 87·7
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1	01.0	00·3	61	58.0	18.9	121	115·1	37·4	181	172·1	55.9	241	229·2	74·5
2	01.9	00·6	62	59.0	19.2	122	116·0	37·7	182	173·1	56.2	242	230·2	74·8
3	02.9	00·9	63	59.9	19.5	123	117·0	38·0	183	174·0	56.6	243	231·1	75·1
4	03.8	01·2	64	60.9	19.8	124	117·9	38·3	184	175·0	56.9	244	232·1	75·4
5	04.8	01·5	65	61.8	20.1	125	118·9	38·6	185	175·9	57.2	245	233·0	75·7
6	05·7	01.9	66	62·8	20·4	126	119·8	38·9	186	176.9	57.5	246	234·0	76·0
7	06·7	02.2	67	63·7	20·7	127	120·8	39·2	187	177.8	57.8	247	234·9	76·3
8	07·6	02.5	68	64·7	21·0	128	121·7	39·6	188	178.8	58.1	248	235·9	76·6
9	08·6	02.8	69	65·6	21·3	129	122·7	39·9	189	179.7	58.4	249	236·8	76·9
10	09·5	03.1	70	66·6	21·6	130	123·6	40·2	190	180.7	58.7	250	237·8	77·3
11	10.5	03·4	71	67.5	21.9	131	124·6	40.5	191	181.7	59·0	251	238·7	77.6
12	11.4	03·7	72	68.5	22.2	132	125·5	40.8	192	182.6	59·3	252	239·7	77.9
13	12.4	04·0	73	69.4	22.6	133	126·5	41.1	193	183.6	59·6	253	240·6	78.2
14	13.3	04·3	74	70.4	22.9	134	127·4	41.4	194	184.5	59·9	254	241·6	78.5
15	14.3	04·6	75	71.3	23.2	135	128·4	41.7	195	185.5	60·3	255	242·5	78.8
16	15·2	04.9	76	72·3	23·5	136	129·3	42.0	196	186·4	60.6	256	243·5	79·1
17	16·2	05.3	77	73·2	23·8	137	130·3	42.3	197	187·4	60.9	257	244·4	79·4
18	17·1	05.6	78	74·2	24·1	138	131·2	42.6	198	188·3	61.2	258	245·4	79·7
19	18·1	05.9	79	75·1	24·4	139	132·2	43.0	199	189·3	61.5	259	246·3	80·0
20	19·0	06.2	80	76·1	24·7	140	133·1	43.3	200	190·2	61.8	260	247·3	80·3
21	20.0	06.5	81	77.0	25.0	141	134·1	43.6	201	191 ·2	62·1	261	248·2	80·7
22	20.9	06.8	82	78.0	25.3	142	135·1	43.9	202	192 ·1	62·4	262	249·2	81·0
23	21.9	07.1	83	78.9	25.6	143	136·0	44.2	203	193 ·1	62·7	263	250·1	81·3
24	22.8	07.4	84	79.9	26.0	144	137·0	44.5	204	194 ·0	63·0	264	251·1	81·6
25	23.8	07.7	85	80.8	26.3	145	137·9	44.8	205	195 ·0	63·3	265	252·0	81·9
26	24.7	08·0	86	81.8	26.6	146	138·9	45·1	206	195.9	63.7	266	253·0	82·2
27	25.7	08·3	87	82.7	26.9	147	139·8	45·4	207	196.9	64.0	267	253·9	82·5
28	26.6	08·7	88	83.7	27.2	148	140·8	45·7	208	197.8	64.3	268	254·9	82·8
29	27.6	09·0	89	84.6	27.5	149	141·7	46·0	209	198.8	64.6	269	255·8	83·1
30	28.5	09·3	90	85.6	27.8	150	142·7	46·4	210	199.7	64.9	270	256·8	83·4
31	29·5	09.6	91	86.5	28·1	151	143.6	46·7	211	200.7	65.2	271	257·7	83·7
32	30·4	09.9	92	87.5	28·4	152	144.6	47·0	212	201.6	65.5	272	258·7	84·1
33	31·4	10.2	93	88.4	28·7	153	145.5	47·3	213	202.6	65.8	273	259·6	84·4
34	32·3	10.5	94	89.4	29·0	154	146.5	47·6	214	203.5	66.1	274	260·6	84·7
35	33·3	10.8	95	90.4	29·4	155	147.4	47·9	215	204.5	66.4	275	261·5	85·0
36	34·2	11·1	96	91·3	29.7	156	148·4	48.2	216	205·4	66.7	276	262·5	85·3
37	35·2	11·4	97	92·3	30.0	157	149·3	48.5	217	206·4	67.1	277	263·4	85·6
38	36·1	11·7	98	93·2	30.3	158	150·3	48.8	218	207·3	67.4	278	264·4	85·9
39	37·1	12·1	99	94·2	30.6	159	151·2	49.1	219	208·3	67.7	279	265·3	86·2
40	38·0	12·4	100	95·1	30.9	160	152·2	49.4	220	209·2	68.0	280	266·3	86·5
41	39.0	12·7	101	96·1	31.2	161	153·1	49.8	221	210·2	68·3	281	267·2	86.8
42	39.9	13·0	102	97·0	31.5	162	154·1	50.1	222	211·1	68·6	282	268·2	87.1
43	40.9	13·3	103	98·0	31.8	163	155·0	50.4	223	212·1	68·9	283	269·1	87.5
44	41.8	13·6	104	98·9	32.1	164	156·0	50.7	224	213·0	69·2	284	270·1	87.8
45	42.8	13·9	105	99·9	32.4	165	156·9	51.0	225	214·0	69·5	285	271·1	88.1
46 47 48 49 50	43·7 44·7 45·7 46·6 47·6	14·2 14·5 14·8 15·1 15·5	106 107 108 109 110	100·8 101·8 102·7 103·7 104·6	32·8 33·1 33·4 33·7 34·0	166 167 168 169 170	157.9 158.8 159.8 160.7 161.7	51.8 51.9 52.2 52.5	226 227 228 229 230	214 9 215 9 216 8 217 8 218 7	69·8 70·1 70·5 70·8 71·1	286 287 288 289 290	272.0 273.0 273.9 274.9 275.8	88.4 88.7 89.0 89.3 89.6
51	48.5	15.8	111	105·6	34·3	171	162.6	52.8	231	219·7	71·4	291	276·8	89.9
52	49.5	16.1	112	106·5	34·6	172	163.6	53.2	232	220·6	71·7	292	277·7	90.2
53	50.4	16.4	113	107·5	34·9	173	164.5	53.5	233	221·6	72·0	293	278·7	90.5
54	51.4	16.7	114	108·4	35·2	174	165.5	53.8	234	222·5	72·3	294	279·6	90.9
55	52.3	17.0	115	109·4	35·5	175	166.4	54.1	235	223·5	72·6	295	280·6	91.2
56	53·3	17·3	116	110·3	35·8	176	167·4	54·4	236	224·4	72.9	296	281.5	91.5
57	54·2	17·6	117	111·3	36·2	177	168·3	54·7	237	225·4	73.2	297	282.5	91.8
58	55·2	17·9	118	112·2	36·5	178	169·3	55·0	238	226·4	73.5	298	283.4	92.1
59	56·1	18·2	119	113·2	36·8	179	170·2	55·3	239	227·3	73.9	299	284.4	92.4
60	57·1	18·5	120	114·1	37·1	180	171·2	55·6	240	228·3	74.2	300	285.3	92.7
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1	00·9	00·3	61	57.7	19·9	121	114·4	39·4	181	171·1	58.9	241	227·9	78·5
2	01·9	00·7	62	58.6	20·2	122	115·4	39·7	182	172·1	59.3	242	228·8	78·8
3	02·8	01·0	63	59.6	20·5	123	116·3	40·0	183	173·0	59.6	243	229·8	79·1
4	03·8	01·3	64	60.5	20·8	124	117·2	40·4	184	174·0	59.9	244	230·7	79·4
5	04·7	01·6	65	61.5	21·2	125	118·2	40·7	185	174·9	60.2	245	231·7	79·8
6 7 8 9	05·7 06·6 07·6 08·5 09·5	02·0 02·3 02·6 02·9 03·3	66 67 68 69 70	62·4 63·3 64·3 65·2 66·2	21·5 21·8 22·1 22·5 22·8	126 127 128 129 130	119·1 120·1 121·0 122·0 122·9	41.0 41.3 41.7 42.0 42.3	186 187 188 189 190	175.9 176.8 177.8 178.7 179.6	60.6 60.9 61.2 61.5 61.9	246 247 248 249 250	232·6 233·5 234·5 235·4 236·4	80·1 80·4 80·7 81·1 81·4
11	10.4	03·6	71	67·1	23·1	131	123·9	42.6	191	180.6	62·2	251	237·3	81·7
12	11.3	03·9	72	68·1	23·4	132	124·8	43.0	192	181.5	62·5	252	238·3	82·0
13	12.3	04·2	78	69·0	23·8	133	125·8	43.3	193	182.5	62·8	253	239·2	82·4
14	13.2	04·6	74	70·0	24·1	134	126·7	43.6	194	183.4	63·2	254	240·2	82·7
15	14.2	04·9	75	70·9	24·4	135	127·6	44.0	195	184.4	63·5	255	241·1	83·0
16	15·1	05.2	76	71·9	24·7	136	128.6	44.3	196	185·3	63·8	256	242·1	83·3
17	16·1	05.5	77	72·8	25·1	137	129.5	44.6	197	186·3	64·1	257	243·0	83·7
18	17·0	05.9	78	73·8	25·4	138	130.5	44.9	198	187·2	64·5	258	243·9	84·0
19	18·0	06.2	79	74·7	25·7	139	131.4	45.3	199	188·2	64·8	259	244·9	84·3
20	18·9	06.5	80	75·6	26·0	140	132.4	45.6	200	189·1	65·1	260	245·8	84·6
21	19·9	06·8	81	76.6	26·4	141	133·3	45.9	201	190.0	65.4	261	246·8	85.0
22	20·8	07·2	82	77.5	26·7	142	134·3	46.2	202	191.0	65.8	262	247·7	85.3
23	21·7	07·5	83	78.5	27·0	143	135·2	46.6	203	191.9	66.1	263	248·7	85.6
24	22·7	07·8	84	79.4	27·3	144	136·2	46.9	204	192.9	66.4	264	249·6	86.0
25	23·6	08·1	85	80.4	27·7	145	137·1	47.2	205	193.8	66.7	265	250·6	86.3
26	24.6	08·5	86	81·3	28·0	146	138.0	47.5	206	194·8	67·1	266	251.5	86.6
27	25.5	08·8	87	82·3	28·3	147	139.0	47.9	207	195·7	67·4	267	252.5	86.9
28	26.5	09·1	88	83·2	28·7	148	139.9	48.2	208	196·7	67·7	268	253.4	87.3
29	27.4	09·4	89	84·2	29·0	149	140.9	48.5	209	197·6	68·0	269	254.8	87.6
30	28.4	09·8	90	85·1	29·3	150	141.8	48.8	210	198·6	68·4	270	255.3	87.9
31	29·3	10·1	91	86.0	29.6	151	142·8	49.2	211	199.5	68·7	271	256·2	88·2
32	30·3	10·4	92	87.0	30.0	152	143·7	49.5	212	200.4	69·0	272	257·2	88·6
33	31·2	10·7	93	87.9	30.3	153	144·7	49.8	213	201.4	69·3	273	258·1	88·9
34	32·1	11·1	94	88.9	30.6	154	145·6	50.1	214	202.3	69·7	274	259·1	89·2
35	33·1	11·4	95	89.8	30.9	155	146·6	50.5	215	203.3	70·0	275	260·0	89·5
36	34·0	11·7	96	90.8	31·3	156	147.5	50·8	216	204·2	70·3	276	261 ·0	89·9
37	35·0	12·0	97	91.7	31·6	157	148.4	51·1	217	205·2	70·6	277	261 ·9	90·2
38	35·9	12·4	98	92.7	31·9	158	149.4	51·4	218	206·1	71·0	278	262 ·9	90·5
39	36·9	12·7	99	93.6	32·2	159	150.3	51·8	219	207·1	71·3	279	263 ·8	90·8
40	37·8	13·0	100	94.6	32·6	160	151.3	52·1	220	208·0	71·6	280	264 ·7	91·2
41	38·8	13·3	101	95·5	32·9	161	152·2	52·4	221	209·0	72·0	281	265.7	91·5
42	39·7	13·7	102	96·4	33·2	162	153·2	52·7	222	209·9	72·3	282	266.6	91·8
43	40·7	14·0	103	97·4	33·5	163	154·1	53·1	223	210·9	72·6	283	267.6	92·1
44	41·6	14·3	104	98·3	33·9	164	155·1	53·4	224	211·8	72·9	284	268.5	92·5
45	42·5	14·7	105	99·3	34·2	165	156·0	53·7	225	212·7	73·3	285	269.5	92·8
46 47 48 49 50	43·5 44·4 45·4 46·3 47·3	15.0 15.3 15.6 16.0 16.3	106 107 108 109 110	100·2 101·2 102·1 103·1 104·0	34·5 34·8 35·2 35·5 35·8	166 167 168 169 170	157.9 158.8 159.8 160.7	54·0 54·4 54·7 55·0 55·3	226 227 228 229 230	213.7 214.6 215.6 216.5 217.5	73.6 73.9 74.2 74.6 74.9	286 287 288 289 290	270·4 271·4 272·3 273·3 274·2	93·1 93·4 93·8 94·1 94·4
51	48·2	16.6	111	105.0	36·1	171	161.7	55.7	231	218·4	75·2	291	275·1	94.7
52	49·2	16.9	112	105.9	36·5	172	162.6	56.0	232	219·4	75·5	292	276·1	95.1
53	50·1	17.3	113	106.8	36·8	173	163.6	56.3	233	220·3	75·9	293	277·0	95.4
54	51·1	17.6	114	107.8	37·1	174	164.5	56.6	234	221·3	76·2	294	278·0	95.7
55	52·0	17.9	115	108.7	37·4	175	165.5	57.0	235	222·2	76·5	295	278·9	96.0
56	52.9	18·2	116	109.7	37·8	176	166·4	57·3	236	223·1	76·8	296	279.9	96·4
57	53.9	18·6	117	110.6	38·1	177	167·4	57·6	237	224·1	77·2	297	280.8	96·7
58	54.8	18·9	118	111.6	38·4	178	168·3	58·0	238	225·0	77·5	298	281.8	97·0
59	55.8	19·2	119	112.5	38·7	179	169·2	58·3	239	226·0	77·8	299	282.7	97·3
60	56.7	19·5	120	113.5	39·1	180	170·2	58·6	240	226·9	78·1	300	283.7	97·7
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6 7 8 9 10	05·6 06·6 07·5 08·5 09·4	02·1 02·4 02·7 03·1 03·4	66 67 68 69 70	62.0 63.0 63.9 64.8 65.8	22.6 22.9 23.3 23.6 23.9	126 127 128 129 130	118·4 119·3 120·3 121·2 122·2	43·1 43·4 43·8 44·1 44·5	186 187 188 189 190	174·8 175·7 176·7 177·6 178·5	63.6 64.0 64.3 64.6 65.0	246 247 248 249 250	231·2 232·1 233·0 234·0 234·9	84·1 84·5 84·8 85·2 85·5
11 12 13 14 15	10·3 11·3 12·2 13·2 14·1	03·8 04·1 04·4 04·8 05·1	71 72 73 74 75	66.7 67.7 68.6 69.5 70.5	24·3 24·6 25·0 25·3 25·7	131 132 133 134 135	123·1 124·0 125·0 125·9 126·9	44.8 45.1 45.5 45.8 46.2	191 192 193 194 195	179.5 180.4 181.4 182.3 183.2	65.3 65.7 66.0 66.4 66.7	251 252 253 254 255	235·9 236·8 237·7 238·7 239·6	85.8 86.2 86.5 86.9 87.2
16 17 18 19 20	15.0 16.0 16.9 17.9 18.8	05.5 05.8 06.2 06.5 06.8	76 77 78 79 80	71·4 72·4 73·3 74·2 75·2	26·0 26·3 26·7 27·0 27·4	136 137 138 139 140	127.8 128.7 129.7 130.6 131.6	46.5 46.9 47.2 47.5 47.9	196 197 198 199 200	184·2 185·1 186·1 187·0 187·9	67·0 67·4 67·7 68·1 68·4	256 257 258 259 260	240.6 241.5 242.4 243.4 244.3	87.6 87.9 88.2 88.6 88.9
21 22 23 24 25	19.7 20.7 21.6 22.6 23.5	07·2 07·5 07·9 08·2 08·6	81 82 83 84 85	76·1 77·1 78·0 78·9 79·9	27·7 28·0 28·4 28·7 29·1	141 142 143 144 145	132·5 133·4 134·4 135·3 136·3	48.2 48.6 48.9 49.3 49.6	201 202 203 204 205	188.9 189.8 190.8 191.7 192.6	68.7 69.1 69.4 69.8 70.1	261 262 263 264 265	245·3 246·2 247·1 248·1 249·0	89.3 89.6 90.0 89.3
26 27 28 29 30	24·4 25·4 26·3 27·3 28·2	08·9 09·6 09·9 10·3	86 87 88 89 90	80.8 81.8 82.7 83.6 84.6	29·4 29·8 30·1 30·4 30·8	146 147 148 149 150	137·2 138·1 139·1 140·0 141·0	49.9 50.3 50.6 51.0 51.3	206 207 208 209 210	193.6 194.5 195.5 196.4 197.3	70·5 70·8 71·1 71·5 71·8	266 267 268 269 270	250·0 250·9 251·8 252·8 253·7	91·0 91·3 91·7 92·0 92·3
31 32 33 34 35	29·1 30·1 31·0 31·9 32·9	10.6 10.9 11.3 11.6 12.0	91 92 93 94 95	85.5 86.5 87.4 88.3 89.3	31·1 31·5 31·8 32·1 32·5	151 152 153 154 155	141.9 142.8 143.8 144.7 145.7	51.6 52.0 52.3 52.7 53.0	211 212 213 214 215	198·3 199·2 200·2 201·1 202·0	72·2 72·5 72·9 73·2 73·5	271 272 273 274 275	254.7 255.6 256.5 257.5 258.4	92·7 93·0 93·4 93·7 94·1
36 37 38 39 40	33·8 34·8 35·7 36·6 37·6		96 97 98 99 100	90°2 91°2 92°1 93°0 94°0	32·8 33·2 33·5 33·9 34·2	156 157 158 159 160	146.6 147.5 148.5 149.4 150.4	53·7 54·0 54·4	216 217 218 219 220	203·0 203·9 204·9 205·8 206·7	73·9 74·2 74·6 74·9 75·2	276 277 278 279 280	259·4 260·3 261·2 262·2 263·1	94·4 94·7 95·1 95·4 95·8
41 42 48 44 45	40.4	14·4 14·7 15·0	101 102 103 104 105	94·9 95·8 96·8 97·7 98·7	34·5 34·9 35·2 35·6 35·9	161 162 163 164 165	151·3 152·2 153·2 154·1 155·0	55.4 55.7 56.1	221 222 223 224 225	207·7 208·6 209·6 210·5 211·4	76·3 76·6 77·0	281 282 283 284 285	264·1 265·0 265·9 266·9 267·8	96·1 96·4 96·8 97·1 97·5
46 47 48 49 50	44·2 45·1 46·0	16·1 16·4 16·8	106 107 108 109 110	99.6 100.5 101.5 102.4 103.4	36·3 36·6 36·9 37·3 37·6	166 167 168 169 170	156.0 156.9 157.9 158.8 159.7	57°1 57°5 57°8	226 227 228 229 230	212·4 213·3 214·2 215·2 216·1	77.6 78.0 78.3 78.7	286 287 288 289 290	268.8 269.7 270.6 271.6 272.5	97.8 98.2 98.5 98.8 99.2
51 52 54 54 54	48.9 49.8 50.7	17·8 18·1 18·5	111 112 113 114 115	104·3 105·2 106·2 107·1 108·1	38·0 38·6 39·0 39·3	171 172 173 174 175	160.7 161.6 162.6 163.5 164.4	58.8 59.2 59.5	231 232 233 234 235	217·1 218·9 218·9 219·9 220·8	79·3 79·7 80·0 80·4	291 292 293 294 295	273·5 274·4 275·3 276·3 277·2	99.5 99.9 100.2 100.6 100.9
56 55 56	53.6 54.5 55.4	19·5 19·8 20·2	116 117 118 119 120	109.0 109.9 110.9 111.8 112.8	40.7	176 177 178 179 180	165.4 166.3 167.3 168.2 169.1	60.5 60.9 61.2	236 237 238 239 240	222·7 223·6 224·6	81·1 81·4 81·7	296 297 298 299 300	278·1 279·1 280·0 281·0 281·9	101.2 101.6 101.9 102.3 102.6
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1 2 3 4 5	00·9 01·9 02·8 03·7 04·7	00·4 00·7 01·1 01·4 01·8	61 62 63 64 65	56·9 57·9 58·8 59·7 60·7	21·9 22·2 22·6 22·9 23·3	121 122 123 124 125	113.0 113.9 114.8 115.8 116.7	43·4 43·7 44·1 44·4 44·8	181 182 183 184 185	169.0 169.9 170.8 171.8 172.7	64.9 65.2 65.6 65.9 66.3	241 242 243 244 245	225·9 226·9 227·8 228·7	86·4 86·7 87·1 87·4 87·8
6	05.6	02·2	66	61.6	23·7	126	117.6	45·2	186	173.6	66.7	246	229.7	88·2
7	06.5	02·5	67	62.5	24·0	127	118.6	45·5	187	174.6	67.0	247	230.6	88·5
8	07.5	02·9	68	63.5	24·4	128	119.5	45·9	188	175.5	67.4	248	231.5	88·9
9	08.4	03·2	69	64.4	24·7	129	120.4	46·2	189	176.4	67.7	249	232.5	89·2
10	09.3	03·6	70	65.4	25·1	130	121.4	46·6	190	177.4	68.1	250	233.4	89·6
11	10·3	03·9	71	66·3	25.4	131	122·3	46.9	191	178°3	68·4	251	234·3	90·0
12	11·2	04·3	72	67·2	25.8	132	123·2	47.3	192	179°2	68·8	252	235·3	90·3
13	12·1	04·7	73	68·2	26.2	133	124·2	47.7	193	180°2	69·2	253	236·2	90·7
14	13·1	05·0	74	69·1	26.5	134	125·1	48.0	194	181°1	69·5	254	237·1	91·0
15	14·0	05·4	75	70·0	26.9	135	126·0	48.4	195	182°0	69·9	255	238·1	91·4
16 17 18 19 20	14.9 15.9 16.8 17.7 18.7	05·7 06·1 06·5 06·8 07·2	76 77 78 79 80	71.0 71.9 72.8 73.8 74.7	27·2 27·6 28·0 28·3 28·7	136 137 138 139 140	127.9 128.8 129.8 130.7	48.7 49.1 49.5 49.8 50.2	196 197 198 199 200	183.9 184.8 185.8 186.7	70·2 70·6 71·0 71·3 71·7	256 257 258 259 260	239.0 239.9 240.9 241.8 242.7	91.7 92.1 92.5 92.8 93.2
21 22 23 24 25	19.6 20.5 21.5 22.4 23.3	07.5 07.9 08.2 08.6 09.0	81 82 83 84 85	75·6 76·6 77·5 78·4 79·4	29.4 29.7 30.1 30.5	141 142 143 144 145	131.6 132.6 133.5 134.4 135.4	50.5 50.9 51.2 51.6 52.0	201 202 203 204 205	187.6 188.6 189.5 190.5 191.4	72·0 72·4 72·7 73·1 73·5	261 262 263 264 265	243·7 244·6 245·5 246·5 247·4	93.5 93.9 94.3 94.6 95.0
26	24·3	09·3	86	80·3	30·8	146	136·3	52·3	206	192·3	73·8	266	248·3	95·3
27	25·2	09·7	87	81·2	31·2	147	137·2	52·7	207	193·3	74·2	267	249·3	95·7
28	26·1	10·0	88	82·2	31·5	148	138·2	53·0	208	194·2	74·5	268	250·2	96·0
29	27·1	10·4	89	83·1	31·9	149	139·1	53·4	209	195·1	74·9	269	251·1	96·4
30	28·0	10·8	90	84·0	32·3	150	140·0	53·8	210	196·1	75·3	270	252·1	96·8
31 32 33 34 35	28·9 29·9 30·8 31·7 32·7	11·1 11·5 11·8 12·2 12·5	91 92 93 94 95	85.0 85.9 86.8 87.8 88.7	32.6 33.0 33.3 33.7 34.0	151 152 153 154 155	141.0 141.9 142.8 143.8 144.7	54.5 54.8 55.2 55.5	211 212 213 214 215	197.0 197.9 198.9 199.8 200.7	75·6 76·0 76·3 76·7 77·0	271 272 273 274 275	253·0 253·9 254·9 255·8 256·7	97·1 97·5 97·8 98·2 98·6
36	33.6	12.9	96	89.6	34·4	156	145.6	55.9	216	201·7	77.4	276	257·7	98·9
37	34.5	13.3	97	90.6	34·8	157	146.6	56.3	217	202·6	77.8	277	258·6	99·3
38	35.5	13.6	98	91.5	35·1	158	147.5	56.6	218	203·5	78.1	278	259·5	99·6
39	36.4	14.0	99	92.4	35·5	159	148.4	57.0	219	204·5	78.5	279	260·5	100·0
40	37.3	14.3	100	93.4	35·8	160	149.4	57.3	220	205·4	78.8	280	261·4	100·3
41	38·3	14.7	101	94·3	36·2	161	150·3	57·7	221	206·3	79·2	281	262·3	100·7
42	39·2	15.1	102	95·2	36·6	162	151·2	58·1	222	207·3	79·6	282	263·3	101·1
43	40·1	15.4	103	96·2	36·9	163	152·2	58·4	223	208·2	79·9	283	264·2	101·4
44	41·1	15.8	104	97·1	37·3	164	153·1	58·8	224	209·1	80·3	284	265·1	101·8
45	42·0	16.1	105	98·0	37·6	165	154·0	59·1	225	210·1	80·6	285	266·1	102·1
46	42·9	16.5	106	99.0	38·0	166	155.0	59·5	226	211·0	81·0	286	267.0	102.5
47	43·9	16.8	107	99.9	38·3	167	155.9	59·8	227	211·9	81·3	287	267.9	102.9
48	44·8	17.2	108	100.8	38·7	168	156.8	60·2	228	212·9	81·7	288	268.9	103.2
49	45·7	17.6	109	101.8	39·1	169	157.8	60·6	229	213·8	82·1	289	269.8	103.6
50	46·7	17.9	110	102.7	39·4	170	158.7	60·9	230	214·7	82·4	290	270.7	103.9
51	47.6	18·3	111	103.6	39.8	171	159·6	61.3	231	215·7	82·8	291	271.7	104.3
52	48.5	18·6	112	104.6	40.1	172	160·6	61.6	232	216·6	83·1	292	272.6	104.6
53	49.5	19·0	113	105.5	40.5	173	161·5	62.0	233	217·5	83·5	293	273.5	105.0
54	50.4	19·4	114	106.4	40.9	174	162·4	62.4	234	218·5	83·9	294	274.5	105.4
55	51.3	19·7	115	107.4	41.2	175	163·4	62.7	235	219·4	84·2	295	275.4	105.7
56	52·3	20·1	116	108·3	41.6	176	164·3	63·1	236	220·3	84.6	296	276·3	106·1
57	53·2	20·4	117	109·2	41.9	177	165·2	63·4	237	221·3	84.9	297	277·3	106·4
58	54·1	20·8	118	110·2	42.3	178	166·2	63·8	238	222·2	85.3	298	278·2	106·8
59	55·1	21·1	119	111·1	42.6	179	167·1	64·1	239	223·1	85.6	299	279·1	107·2
60	56·0	21·5	120	112·0	43.0	180	168·0	64·5	240	224·1	86.0	300	280·1	107·5
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1	00·9	00·4	61	56.6	22.9	121	112·2	45·3	181	167.8	67.8	241	223.5	90·3
2	01·9	00·7	62	57.5	23.2	122	113·1	45·7	182	168.7	68.2	242	224.4	90·7
3	02·8	01·1	63	58.4	23.6	123	114·0	46·1	183	169.7	68.6	243	225.3	91·0
4	03·7	01·5	64	59.3	24.0	124	115·0	46·5	184	170.6	68.9	244	226.2	91·4
5	04·6	01·9	35	60.3	24.3	125	115·9	46·8	185	171.5	69.3	245	227.2	91·8
6	05·6	02·2	66	61·2	24·7	126	116·8	47.2	186	172·5	69·7	246	228·1	92·2
7	06·5	02·6	67	62·1	25·1	127	117·8	47.6	187	173·4	70·1	247	229·0	92·5
8	07·4	03·0	68	63·0	25·5	128	118·7	47.9	188	174·3	70·4	248	229·9	92·9
9	08·3	03·4	69	64·0	25·8	129	119·6	48.3	189	175·2	70·8	249	230·9	93·3
10	09·3	03·7	70	64·9	26·2	130	120·5	48.7	190	176·2	71·2	250	231·8	93·7
11	10·2	04·1	71	65·8	26.6	131	121·5	49·1	191	177·1	71.5	251	232·7	94.0
12	11·1	04·5	72	66·8	27.0	132	122·4	49·4	192	178·0	71.9	252	233·7	94.4
13	12·1	04·9	73	67·7	27.3	133	123·3	49·8	193	178·9	72.3	253	234·6	94.8
14	13·0	05·2	74	68·6	27.7	134	124·2	50·2	194	179·9	72.7	254	235·5	95.2
15	13·9	05·6	75	69·5	28.1	135	125·2	50·6	195	180·8	73.0	255	236·4	95.5
16	14·8	06·0	76	70·5	28·5	136	126·1	50·9	196	181·7	73·4	256	237·4	95·9
17	15·8	06·4	77	71·4	28·8	137	127·0	51·3	197	182·7	73·8	257	238·3	96·3
18	16·7	06·7	78	72·3	29·2	138	128·0	51·7	198	183·6	74·2	258	239·2	96·6
19	17·6	07·1	79	73·2	29·6	139	128·9	52·1	199	184·5	74·5	259	240·1	97·0
20	18·5	07·5	80	74·2	30·0	140	129·8	52·4	200	185·4	74·9	260	241·1	97·4
21	19.5	07.9	81	75·1	30·3	141	130·7	52·8	201	186·4	75·3	261	242·0	97·8
22	20.4	08.2	82	76·0	30·7	142	131·7	53·2	202	187·3	75·7	262	242·9	98·1
23	21.3	08.6	83	77·0	31·1	143	132·6	53·6	203	188·2	76·0	263	243·8	98·5
24	22.3	09.0	84	77·9	31·5	144	133·5	53·9	204	189·1	76·4	264	244·8	98·9
25	23.2	09.4	85	78·8	31·8	145	134·4	54·3	205	190·1	76·8	265	245·7	99·3
26	24·1	09·7	86	79·7	32·2	146	135·4	54.7	206	191.9	77·2	266	246.6	99.6
27	25·0	10·1	87	80·7	32·6	147	136·3	55.1	207	191.9	77·5	267	247.6	100.0
28	26·0	10·5	88	81·6	33·0	148	137·2	55.4	208	192.9	77·9	268	248.5	100.4
29	26·9	10·9	89	82·5	33·3	149	138·2	55.8	209	193.8	78·3	269	249.4	100.8
30	27·8	11·2	90	83·4	33·7	150	139·1	56.2	210	194.7	78·7	270	250.3	101.1
31	28·7	11.6	91	84·4	34·1	151	140·0	56·6	211	195.6	79·0	271	251·3	101·5
32	29·7	12.0	92	85·3	34·5	152	140·9	56·9	212	196.6	79·4	272	252·2	101·9
33	30·6	12.4	93	86·2	34·8	153	141·9	57·3	213	197.5	79·8	273	253·1	102·3
34	31·5	12.7	94	87·2	35·2	154	142·8	57·7	214	198.4	80·2	274	254·0	102·6
85	32·5	13.1	95	88·1	35·6	155	143·7	58·1	215	199.3	80·5	275	255·0	103·0
36	33·4	13.5	96	89.0	36·0	156	144.6	58·4	216	200·3	80.9	276	255·9	103:4
37	34·3	13.9	97	89.9	36·3	157	145.6	58·8	217	201·2	81.3	277	256·8	103:8
38	35·2	14.2	98	90.9	36·7	158	146.5	59·2	218	202·1	81.7	278	257·8	104:1
39	36·2	14.6	99	91.8	37·1	159	147.4	59·6	219	203·1	82.0	279	258·7	104:5
40	37·1	15.0	100	92.7	37·5	160	148.3	59·9	220	204·0	82.4	280	259·6	104:9
41 42 43 44 45	38.9 39.9 40.8 41.7	15·4 15·7 16·1 16·5 16·9	101 102 103 104 105	93·6 94·6 95·5 96·4 97·4	37·8 38·2 38·6 39·0 39·3	161 162 163 164 165	149·3 150·2 151·1 152·1 153·0	60·3 60·7 61·1 61·4 61·8	221 222 223 224 225	204.9 205.8 206.8 207.7 208.6	82.8 83.2 83.5 83.9 84.3	281 282 283 284 285	260·5 261·5 262·4 263·3 264·2	105·3 105·6 106·0 106·4 106·8
46	42.7	17.2	109	98·3	39.7	166	153.9	62·2	226	209·5	84.7	286	265·2	107·1
47	43.6	17.6		99·2	40.1	167	154.8	62·6	227	210·5	85.0	287	266·1	107·5
48	44.5	18.0		100·1	40.5	168	155.8	62·9	228	211·4	85.4	288	267·0	107·9
49	45.4	18.4		101·1	40.8	169	156.7	63·3	229	212·3	85.8	289	268·0	108·3
50	46.4	18.7		102·0	41.2	170	157.6	63·7	230	213·3	86.2	290	268·9	108·6
51 52 58 54 55	47·3 48·2 49·1 50·1 51·0	19·1 19·5 19·9 20·2 20·6	112 113 114 115	102·9 103·8 104·8 105·7 106·6	41.6 42.0 42.3 42.7 43.1	171 172 173 174 175	158·5 159·5 160·4 161·3 162·3	64·1 64·4 64·8 65·2 65·6	231 232 233 234 235	214·2 215·1 216·0 217·0 217·9	86.5 86.9 87.3 87.7 88.0	291 292 293 294 295	269·8 270·7 271·7 272·6 273·5	109·0 109·4 109·8 110·1 110·5
56	51.9	21·0	116	107.6	43·5	176	163·2	65.9	236	218·8	88·4	296	274·4	110·9
57	52.8	21·4	117	108.5	43·8	177	164·1	66.3	237	219·7	88·8	297	275·4	111·3
58	53.8	21·7	118	109.4	44·2	178	165·0	66.7	238	220·7	89·2	298	276·3	111·6
59	54.7	22·1	119	110.3	44·6	179	166·0	67.1	239	221·6	89·5	299	277·2	112·0
60	55.6	22·5	120	111.3	45·0	180	166·9	67.4	240	222·5	89·9	300	278·2	112·4
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00.9	00·4	61	56·2	23.8	121	111.4	47·3	181	166.6	70·7	241	221.8	94·2
2	01.8	00·8	62	57·1	24.2	122	112.3	47·7	182	167.5	71·1	242	222.8	94·6
3	02.8	01·2	63	58·0	24.6	123	113.2	48·1	183	168.5	71·5	243	223.7	94·9
4	03.7	01·6	64	58·9	25.0	124	114.1	48·5	184	169.4	71·9	244	224.6	95·3
5	04.6	02·0	65	59·8	25.4	125	115.1	48·8	185	170.3	72·3	245	225.5	95·7
6	05·5	02·3	66	60·8	25.8	126	116.0	49.2	186	171·2	72·7	246	226·4	96·1
7	06·4	02·7	67	61·7	26.2	127	116.9	49.6	187	172·1	73·1	247	227·4	96·5
8	07·4	03·1	68	62·6	26.6	128	117.8	50.0	188	173·1	73·5	248	228·3	96·9
9	08·3	03·5	69	63·5	27.0	129	118.7	50.4	189	174·0	73·8	249	229·2	97·3
10	09·2	03·9	70	64·4	27.4	130	119.7	50.8	190	174·9	74·2	250	230·1	97·7
11	10·1	04·3	71	65·4	27·7	131	120.6	51.2	191	175·8	74.6	251	231·0	98·1
12	11·0	04·7	72	66·3	28·1	132	121.5	51.6	192	176·7	75.0	252	232·0	98·5
13	12·0	05·1	73	67·2	28·5	133	122.4	52.0	193	177·7	75.4	253	232·9	98·9
14	12·9	05·5	74	68·1	28·9	134	123.3	52.4	194	178·6	75.8	254	233·8	99·2
15	13·8	05·9	75	69·0	29·3	135	124.3	52.7	195	179·5	76.2	255	234·7	99·6
16	14.7	06·3	76	70·0	29.7	136	125·2	53·1	196	180·4	76.6	256	235.6	100.0
17	15.6	06·6	77	70·9	30.1	137	126·1	53·5	197	181·3	77.0	257	236.6	100.4
18	16.6	07·0	78	71·8	30.5	138	127·0	53·9	198	182·3	77.4	258	237.5	100.8
19	17.5	07·4	79	72·7	30.9	139	128·0	54·3	199	183·2	77.8	259	238.4	101.2
20	18.4	07·8	80	73·6	31.3	140	128·9	54·7	200	184·1	78.1	260	239.3	101.6
21	19·3	08·2	81	74.6	31.6	141	129.8	55·1	201	185.0	78·5	261	240·3	102·0
22	20·3	08·6	82	75.5	32.0	142	130.7	55·5	202	185.9	78·9	262	241·2	102·4
23	21·2	09·0	83	76.4	32.4	143	131.6	55·9	203	186.9	79·3	263	242·1	102·8
24	22·1	09·4	84	77.3	32.8	144	132.6	56·3	204	187.8	79·7	264	243·0	103·2
25	23·0	09·8	85	78.2	33.2	145	133.5	56·7	205	188.7	80·1	265	243·9	103·5
26 27 28 29 30	23·9 24·9 25·8 26·7 27·6	10·2 10·5 10·9 11·3 11·7	86 87 88 89 90	79·2 80·1 81·0 81·9 82·8	33.6 34.0 34.4 34.8 35.2	146 147 148 149 150	134·4 135·3 136·2 137·2 138·1	57.4 57.8 58.2 58.6	206 207 208 209 210	189.6 190.5 191.5 192.4 193.3	80·5 80·9 81·3 81·7 82·1	266 267 268 269 270	244 9 245 8 246 7 247 6 248 5	103·9 104·3 104·7 105·1 105·5
31	28·5	12·1	91	83·8	35.6	151	139.0	59·0	211	194·2	82·4	271	249·5	105.9
32	29·5	12·5	92	84·7	35.9	152	139.9	59·4	212	195·1	82·8	272	250·4	106.3
33	30·4	12·9	93	85·6	36.3	153	140.8	59·8	213	196·1	83·2	273	251·3	106.7
34	31·3	13·3	94	86·5	36.7	154	141.8	60·2	214	197·0	83·6	274	252·2	107.1
35	32·2	13·7	95	87·4	37.1	155	142.7	60·6	215	197·9	84·0	275	253·1	107.5
36 37 38 39 40	33·1 34·1 35·0 35·9 36·8	14·1 14·5 14·8 15·2 15·6	96 97 98 99 100	88·4 89·3 90·2 91·1 92·1	37·5 37·9 38·3 38·7 39·1	156 157 158 159 160	143.6 144.5 145.4 146.4 147.3	61.3 61.7 62.1 62.5	216 217 218 219 220	198·8 199·7 200·7 201·6 202·5	84·4 84·8 85·2 85·6 86·0	276 277 278 279 280	254·1 255·0 255·9 256·8 257·7	107·8 108·2 108·6 109·0 109·4
41	37·7	16·0	101	93·0	39·5	161	148·2	62·9	221	203·4	86·4	281	258·7	109·8
42	38·7	16·4	102	93·9	39·9	162	149·1	63·3	222	204·4	86·7	282	259·6	110·2
43	39·6	16·8	103	94·8	40·2	163	150·0	63·7	223	205·3	87·1	283	260·5	110·6
44	40·5	17·2	104	95·7	40·6	164	151·0	64·1	224	206·2	87·5	284	261·4	111·0
45	41·4	17·6	105	96·7	41·0	165	151·9	64·5	225	207·1	87·9	285	262·3	111·4
46 47 48 49 50	42·3 43·3 44·2 45·1 46·0	18.0 18.4 18.8 19.1 19.5	106 107 108 109 110	97.6 98.5 99.4 100.3 101.3	41·4 41·8 42·2 42·6 43·0	166 167 168 169 170	152·8 153·7 154·6 155·6 156·5	64·9 65·3 65·6 66·0 66·4	226 227 228 229 230	208·0 209·9 210·8 211·7	88·3 88·7 89·1 89·5 89·9	286 287 288 289 290	263·3 264·2 265·1 266·0 266·9	111·7 112·1 112·5 112·9 113·3
51	46.9	19·9	111	102·2	43·4	171	157·4	66·8	231	212·6	90·3	291	267.9	113·7
52	47.9	20·3	112	103·1	43·8	172	158·3	67·2	232	213·6	90·6	292	268.8	114·1
53	48.8	20·7	113	104·0	44·2	173	159·2	67·6	233	214·5	91·0	293	269.7	114·5
54	49.7	21·1	114	104·9	44·5	174	160·2	68·0	234	215·4	91·4	294	270.6	114·9
55	50.6	21·5	115	105·9	44·9	175	161·1	68·4	235	216·3	91·8	295	271.5	115·3
56	51.5	21.9	116	106·8	45·3	176	162.0	68·8	236	217·2	92·2	296	272·5	115.7
57	52.5	22.3	117	107·7	45·7	177	162.9	69·2	237	218·2	92·6	297	273·4	116.0
58	53.4	22.7	118	108·6	46·1	178	163.8	69·6	238	219·1	93·0	298	274·3	116.4
59	54.3	23.1	119	109·5	46·5	179	164.8	69·9	239	220·0	93·4	299	275·2	116.8
60	55.2	23.4	120	110·5	46·9	180	165.7	70·3	240	220·9	93·8	300	276·2	117.2
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dép.	Lat.	Dist.	Dep.	

	- 1			For 24°.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00.9 00.4	61 55.7 24.8	121 110·5 49·2	181 165·4 73·6	241 220·2 98·0
2 01.8 00.8	62 56.6 25.2	122 111·5 49·6	182 166·3 74·0	242 221·1 98·4
3 02.7 01.2	63 57.6 25.6	123 112·4 50·0	183 167·2 74·4	243 222·0 98·8
4 03.7 01.6	64 58.5 26.0	124 113·3 50·4	184 168·1 74·8	244 222·9 99·2
5 04.6 02.0	65 59.4 26.4	125 114·2 50·8	185 169·0 75·2	245 223·8 99·7
6 05.5 02.4	66 60·3 26·8	126 115 1 51 2	186 169·9 75·7	246 224·7 100·1
7 06.4 02.8	67 61·2 27·3	127 116 0 51 7	187 170·8 76·1	247 225·6 100·5
8 07.3 03.3	68 62·1 27·7	128 116 9 52 1	188 171·7 76·5	248 226·6 100·9
9 08.2 03.7	69 63·0 28·1	129 117 8 52 5	189 172·7 76·9	249 227·5 101·3
10 09.1 04.1	70 63·9 28·5	130 118 8 52 9	190 173·6 77·3	250 228·4 101·7
11 10·0 04·5	71 64·9 28·9	131 119·7 53·3	191 174.5 77.7	251 229·3 102·1
12 11·0 04·9	72 65·8 29·3	132 120·6 53·7	192 175.4 78.1	252 230·2 102·5
13 11·9 05·3	73 66·7 29·7	133 121·5 54·1	193 176.3 78.5	253 231·1 102·9
14 12·8 05·7	74 67·6 30·1	134 122·4 54·5	194 177.2 78.9	254 232·0 103·3
15 13·7 06·1	75 68·5 30·5	135 123·3 54·9	195 178.1 79.3	255 233·0 103·7
16 14.6 06.5	76 69:4 30:9	136 124·2 55·3	196 179·1 79·7	256 233·9 104·1
17 15.5 06.9	77 70:3 31:3	137 125·2 55·7	197 180·0 80·1	257 234·8 104·5
18 16.4 07.3	78 71:3 31:7	138 126·1 56·1	198 180·9 80·5	258 235·7 104·9
19 17.4 07.7	79 72:2 32:1	139 127·0 56·5	199 181·8 80·9	259 236·6 105·3
20 18.3 08.1	80 73:1 32:5	140 127·9 56·9	200 182·7 81·3	260 237·5 105·8
21 19·2 08·5	81 74.0 32.9	141 128·8 57·3	201 183·6 81·8	261 238.4 106.2
22 20·1 08·9	82 74.9 33.4	142 129·7 57·8	202 184·5 82·2	262 239.3 106.6
23 21·0 09·4	83 75.8 33.8	143 130·6 58·2	203 185·4 82·6	263 240.3 107.0
24 21·9 09·8	84 76.7 34.2	144 131·6 58·6	204 186·4 83·0	264 241.2 107.4
25 22·8 10·2	85 77.7 34.6	145 132·5 59·0	205 187·3 83·4	265 242.1 107.8
26 23·8 10·6	86 78.6 35.0	146 133.4 59.4	206 188·2 83·8	266 243.0 108.2
27 24·7 11·0	87 79.5 35.4	147 134.3 59.8	207 189·1 84·2	267 243.9 108.6
28 25·6 11·4	88 80.4 35.8	148 135.2 60.2	208 190·0 84·6	268 244.8 109.0
29 26·5 11·8	89 81.3 36.2	149 136.1 60.6	209 190·9 85·0	269 245.7 109.4
30 27·4 12·2	90 82.2 36.6	150 137.0 61.0	210 191·8 85·4	270 246.7 109.8
31 28·3 12·6	91 83·1 37·0	151 137.9 61.4	211 192.8 85.8	271 247·6 110·2
32 29·2 13·0	92 84·0 37·4	152 138.9 61.8	212 193.7 86.2	272 248·5 110·6
33 30·1 13·4	93 85·0 37·8	153 139.8 62.2	213 194.6 86.6	273 249·4 111·0
34 31·1 13·8	94 85·9 38·2	154 140.7 62.6	214 195.5 87.0	274 250·3 111·4
35 32·0 14·2	95 86·8 38·6	155 141.6 63.0	215 196.4 87.4	275 251·2 111·9
36 32.9 14.6	96 87.7 39.0	156 142.5 63.5	216 197 3 87 9	276 252·1 112·3
37 33.8 15.0	97 88.6 39.5	157 143.4 63.9	217 198 2 88 3	277 253·1 112·7
38 34.7 15.5	98 89.5 39.9	158 144.3 64.3	218 199 2 88 7	278 254·0 113·1
39 35.6 15.9	99 90.4 40.3	159 145.3 64.7	219 200 1 89 1	279 254·9 113·5
40 36.5 16.3	100 91.4 40.7	160 146.2 65.1	220 201 0 89 5	280 255·8 113·9
41 37·5 16·7	101 92·3 41·1	161 147·1 65·5	221 201.9 89.9	281 256·7 114·3
42 38·4 17·1	102 93·2 41·5	162 148·0 65·9	222 202.8 90.3	282 257·6 114·7
43 39·3 17·5	103 94·1 41·9	163 148·9 66·3	223 203.7 90.7	283 258·5 115·1
44 40·2 17·9	104 95·0 42·3	164 149·8 66·7	224 204.6 91.1	284 259·4 115·5
45 41·1 18·3	105 95·9 42·7	165 150·7 67·1	225 205.5 91.5	285 260·4 115·9
46 42.0 18.7	106 96·8 43·1	166 151.6 67.5	226 206.5 91.9	286 261·3 116·3
47 42.9 19.1	107 97·7 43·5	167 152.6 67.9	227 207.4 92.3	287 262·2 116·7
48 43.9 19.5	108 98·7 43·9	168 153.5 68.3	228 208.3 92.7	288 263·1 117·1
49 44.8 19.9	109 99·6 44·3	169 154.4 68.7	229 209.2 93.1	289 264·0 117·5
50 45.7 20.3	110 100·5 44·7	170 155.3 69.1	230 210.1 93.5	290 264·9 118·0
51 46.6 20.7	111 101·4 45·1	171 156·2 69·6	231 211.0 94.0	291 265·8 118·4
52 47.5 21.2	112 102·3 45·6	172 157·1 70·0	232 211.9 94.4	292 266·8 118·8
53 48.4 21.6	113 103·2 46·0	173 158·0 70·4	233 212.9 94.8	293 267·7 119·2
54 49.3 22.0	114 104·1 46·4	174 159·0 70·8	234 213.8 95.2	294 268·6 119·6
55 50.2 22.4	115 105·1 46·8	175 159·9 71·2	235 214.7 95.6	295 269·5 120·0
56 51·2 22·8	116 106·0 47·2	176 160·8 71·6	236 215·6 96·0	296 270·4 120·4
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69-0 02-0 30-2 120 115-9 56-1 08-1 03-9 69-0 02-0 30-2 120 115-9 56-1 08-1 03-9 04-4 13-1 131 117-7 57-4 11-7 05-7 73 65-6 32-0 133 119-5 58-3 12-6 06-1 75-6 6-4 32-0 133 119-5 58-3 12-6 06-1 75-6 6-5 32-0 133 119-5 58-3 12-6 06-1 75-6 6-6 32-0 133 119-5 58-3 12-6 06-1 75-7 69-2 33-8 137 123-1 60-1 15-3 07-5 77-6 92-2 33-8 137 123-1 60-1 15-3 07-5 77-6 92-2 33-8 137 123-1 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 17-1 08-3 79-710 34-6 139 124-9 60-5 18-9 09-6 82-73-7 35-9 142 127-6 62-2 10-5 84-75-5 26-8 144 129-4 63-1 18-9 09-2 81-72-8 35-5 141 126-7 61-8 18-9 09-2 81-72-8 35-5 141 126-7 61-8 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-2 81-72-8 35-5 144 129-6 61-4 18-9 09-6 82-73-7 35-9 142 127-6 62-2 10-1 10-5 84-75-5 26-8 144 129-6 60-1 17-1 01-1 83-74-6 36-4 18-9 09-6 13-7-7 38-7-7 35-9 18-9 09-6 13-7 38-7 35-9 18-9 18-9 18-9 18-9 18-9 18-9 18-9 18-9 18-9	00-9 00-4 61 54-8 26-7 121 108-8 53-0 181 108-8 00-9 62 55-7 27-2 122 109-7 53-5 182 20-7 01-3 63 56-6 27-6 123 110-6 53-9 183 36-6 18-6 45-75-5 28-1 124 111-5 54-4 184 40-5 02-2 65 58-4 28-5 125 112-3 54-8 185 05-4 02-6 66 59-3 28-9 126 113-2 55-2 186 05-3 03-1 67 60-2 29-4 127 114-1 55-7 187 07-2 03-5 68 61-1 29-8 123 115-0 56-1 188 08-1 03-9 04-4 70 62-9 30-7 130 116-8 57-0 199 04-4 70 62-9 30-7 130 116-8 57-0 199 04-8 71 63-8 31-1 131 117-7 57-4 191 10-8 05-3 7-2 64-7 31-6 132 118-6 57-0 199 11-7 05-7 73 66-6 32-0 133 119-5 58-3 192 11-7 05-7 73 66-6 32-0 133 119-5 58-3 192 11-7 05-7 73 66-8 32-4 134 120-4 58-7 194 11-5 11-5 11-5 11-5 11-5 11-5 11-5 11-	00-9 00-4 61 54-8 26-7 121 108-8 53-0 131 162-7 0173 63 56-6 27-6 123 110-6 53-9 138 164-5 63-6 01-8 64 57-5 28-1 124 111-5 54-4 134 165-4 166-3 02-2 65 58-4 28-5 125 112-3 54-8 138 164-5 66-6 02-2 65 58-4 28-5 125 112-3 54-8 138 164-5 66-3 03-1 67 60-2 29-4 127 114-1 55-7 187 168-1 07-2 03-5 68 61-1 29-8 128 115-0 56-1 188 169-0 09-0 04-4 70 62-9 30-7 130 116-8 57-0 190 170-8 09-9 04-8 71 63-8 31-1 131 117-7 57-4 191 171-7 10-8 05-3 72 64-7 31-6 132 118-6 57-9 192 172-6 117-0 57-7 73 65-6 32-0 133 119-5 58-3 133 173-5 12-6 06-1 74 66-5 32-4 134 120-4 58-7 194 174-4 170 02-9 28-8 18-8 18-9 12-1 12-1 12-1 12-1 12-1 12-1 12-1 12	00-9 00-4 61 54-8 26-7 121 108-8 53-0 181 162-7 79-3 02-7 01-3 63 56-6 27-6 123 110-6 53-9 183 164-5 80-2 02-7 01-3 63 56-6 27-6 123 110-6 53-9 183 164-5 80-2 04-5 02-2 65 58-4 28-5 125 112-3 54-8 185 166-3 81-1 05-4 02-6 66 59-3 28-9 126 113-2 55-7 185 166-3 81-1 05-4 02-6 66 59-3 28-9 126 113-2 55-7 187 168-1 82-0 07-2 03-5 68 61-1 29-8 123 115-0 56-1 188 169-0 82-4 08-1 03-9 69 62-0 30-2 129 115-9 56-5 189 169-9 82-9 09-0 04-4 70 62-9 30-7 130 116-8 57-0 190 170-8 83-3 09-9 04-8 71 63-8 31-1 131 117-7 57-4 191 171-7 83-7 11-7 05-7 73 65-6 32-0 133 119-5 58-3 193 173-5 84-6 11-6 06-7 7-7 66-8 33-3 13-8 122-2 59-6 196 175-3 85-5 14-4 07-0 7-6 68-3 33-3 136 122-2 59-6 196 175-3 85-5 14-4 07-0 7-6 68-3 33-3 136 122-2 59-6 196 175-3 85-5 14-4 07-0 7-6 68-3 33-3 13-1 22-2 59-6 196 175-3 85-5 14-4 07-0 7-7 68-3 33-3 13-1 22-2 59-6 196 175-3 85-5 14-3 07-5 77 69-2 33-8 137 123-1 60-1 197 177-1 86-4 16-2 07-9 78 70-1 34-2 133 124-0 60-5 198 178-0 86-8 17-1 08-3 79 71-0 34-6 139 124-9 60-9 199 178-9 87-7 18-9 09-2 31 72-8 35-5 141 126-7 61-8 201 180-7 88-1 18-9 09-2 31 72-8 35-5 141 126-7 61-8 201 180-7 88-1 18-9 09-2 31 72-8 35-5 142 127-6 62-2 202 181-6 88-6 20-7 10-1 83 74-6 36-4 143 122-5 62-7 203 182-5 89-9 21-6 10-5 54-7 83-7 35-9 142 127-6 62-2 202 181-6 88-6 22-7 10-1 83 74-6 36-4 143 132-5 62-7 203 182-5 89-9 28-3 11-7 88-7 38-7 146 131-2 64-4 200 189-7 89-1 28-3 11-7 88-7 146 131-2 64-4 200 189-7 91-1 28-3 11-8 87 78-2 38-1 147 132-1 64-4 200 189-7 91-1 28-3 11-8 87 78-2 38-1 147 132-1 64-4 200 189-7 91-1 28-3 11-8 87 78-2 38-1 147 132-1 64-4 200 189-7 91-1 28-3 11-8 88-7 13-8 89-9 15 150 134-8 68-8 210 189-7 92-1 28-3 11-7 18-8 89-9 15-1 145 138-6 68-8 210 189-7 92-1 28-3 11-7 18-8 89-9 15-1 135-7 66-2 21 11-1 189-6 92-2 29-7 14-5 93 83-6 48-1 138-1 147 132-1 64-4 200 189-7 92-1 28-7 13-8 14-9 93-8 14-1 14-1 14-1 14-1 14-1 14-1 14-1 14	00*9 00*4 61 54*8 26*7 121 108*8 53*0 181 162*7 79*3 241 00*9 00*9 62 55*7 27*2 122 109*7 53*5 182 163*6 79*8 242 02*7 01*3 63 56*6 27*6 123 110*6 53*9 183 164*5 80*2 243 03*6 01*8 64 57*5 28*1 124 111*5 54*4 184 166*4 80*7 244 04*5 02*2 65 58*4 28*5 125 112*3 54*8 185 166*3 81*1 245 05*4 02*6 66 59*3 28*9 138 113*2 55*2 186 167*2 81*5 246 05*3 03*1 07 00*2 29*4 12*7 114*1 55*7 187 168*1 82*0 247 07*2 03*5 68 61*1 29*8 128 116*0 50*1 188 199*0 82*9 249 09*0 04*4 70 62*9 30*7 130 116*8 57*0 190 170*8 83*3 250 09*9 04*3 70 62*9 30*7 130 116*8 57*0 190 170*8 83*3 250 09*9 04*3 70 62*9 30*7 130 116*8 57*0 190 170*8 83*3 250 09*9 04*3 71 63*8 31*1 131 17*7 57*4 191 17*1 78*37 25*2 10*8 05*3 72 64*7 81*6 132 118*6 57*9 192 172*6 84*2 25*2 11*7 05*7 73 65*6 32*0 133 119*5 58*3 193 173*5 84*6 25*3 12*6 06*1 74 66*5 32*4 134 120*4 88*7 194 174*4 88*0 25*4 13*5 06*6 75* 67*4 32*9 135 121*3 59*2 199 175*3 85*5 255*6 15*3 07*5 77 69*2 33*8 137 123*1 60*1 19*7 177*1 86*4 25*5 17*1 08*3 79 710 34*6 139 124*9 60*9 199 178*9 87*2 259 18*9 09*2 81 72*8 35*5 141 125*7 61*8 201 180*7 88*1 25*1 19*8 09*6 82 73*7 35*9 142 125*8 61*4 200 179*8 87*2 259 18*9 09*2 81 72*8 35*5 141 125*7 61*8 201 180*7 88*1 26*1 19*8 09*6 82 73*7 35*9 142 125*6 61*4 200 179*8 87*2 259 18*9 09*2 81 72*8 35*5 141 125*7 61*8 201 180*7 88*1 26*1 19*8 09*6 82 73*7 35*9 142 127*6 62*2 202 181*6 88*6 22*2 20*7 10*1 83 74*6 30*4 143 125*6 62*7 203 182*5 89*0 203 21*6 10*5 84 75*5 36*8 144 129*4 63*1 204 183*4 89*4 26*4 22*5 11*0 85 76*4 37*3 145*1 132*5 62*7 203 182*5 89*0 203 22*4 11*4 86 77*3 37*7 146 131*2 64*4 200 179*8 87*7 290 23*4 11*4 86 77*3 37*7 146 131*2 64*4 200 179*8 87*2 259 23*4 11*4 86 77*3 37*7 146 131*2 64*4 200 179*8 87*2 259 23*4 11*4 86 77*3 37*7 146 131*2 64*4 200 179*8 87*2 259 23*4 11*4 86 98*8 48*8 10*1 138*6 69*2 138*6 99*5 25*1 23*4 11*4 86 98*8 48*6 41*1 135*6 62*7 203 183*6 99*5 25*1 23*4 11*4 86 98*8 48*8 10*3 144*7 60*2 21 187*6 99*5 25*1 23*4 11*4 99*8 48*2 11*1 15*1 135*7 60*2 21 180*6 99*5 25*1 24*3 11*5 10*8 98*9 43*8 10*1 13	Lat. 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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·9	00.5	61	54·4	27·7	121	107.8	54.9	181	161·3	82·2	241	214·7	109·4
2	01·8	00.9	62	55·2	28·1	122	108.7	55.4	182	162·2	82·6	242	215·6	109·9
3	02·7	01.4	63	56·1	28·6	123	109.6	55.8	183	163·1	83·1	243	216·5	110·3
4	03·6	01.8	64	57·0	29·1	124	110.5	56.3	184	163·9	83·5	244	217·4	110·8
5	04·5	02.3	65	57·9	29·5	125	111.4	56.7	185	164·8	84·0	245	218·3	111·2
6	05·3	02·7	66	58.8	30.0	126	112·3	57·2	186	165.7	84·4	246	219·2	111.7
7	06·2	03·2	67	59.7	30.4	127	113·2	57·7	187	166.6	84·9	247	220·1	112.1
8	07·1	03·6	68	60.6	30.9	128	114·0	58·1	188	167.5	85·4	248	221·0	112.6
9	08·0	04·1	69	61.5	31.3	129	114·9	58·6	189	168.4	85·8	249	221·9	113.0
10	08·9	04·5	70	62.4	31.8	130	115·8	59·0	190	169.3	86·3	250	222·8	113.5
11	09·8	05·0	71	63·3	32·2	131	116.7	59·5	191	170·2	86·7	251	223.6	114·0
12	10·7	05·4	72	64·2	32·7	132	117.6	59·9	192	171·1	87·2	252	224.5	114·4
13	11·6	05·9	73	65·0	33·1	133	118.5	60·4	193	172·0	87·6	253	225.4	114·9
14	12·5	06·4	74	65·9	33·6	134	119.4	60·8	194	172·9	88·1	254	226.3	115·8
15	13·4	06·8	75	66·8	34·0	135	120.3	61·3	195	173·7	88·5	255	227.2	115·8
16	14·3	07·3	76	67.7	34.5	136	121·2	61.7	196	174.6	89·0	256	228·1	116·2
17	15·1	07·7	77	68.6	35.0	137	122·1	62.2	197	175.5	89·4	257	229·0	116·7
18	16·0	08·2	78	69.5	35.4	138	123·0	62.7	198	176.4	89·9	258	229·9	117·1
19	16·9	08·6	79	70.4	35.9	139	123·8	63.1	199	177.3	90·3	259	230·8	117·6
20	17·8	09·1	80	71.3	36.3	140	124·7	63.6	200	178.2	90·8	260	231·7	118·0
21	18·7	09.5	81	72·2	36·8	141	125.6	64.0	201	179·1	91·3	261	232·6	118·5
22	19·6	10.0	82	73·1	37·2	142	126.5	64.5	202	180·0	91·7	262	233·4	118·9
23	20·5	10.4	83	74·0	37·7	143	127.4	64.9	203	180·9	92·2	263	234·3	119·4
24	21·4	10.9	84	74·8	38·1	144	128.3	65.4	204	181·8	92·6	264	235·2	119·9
25	22·3	11.3	85	75·7	38·6	145	129.2	65.8	205	182·7	93·1	265	236·1	120·3
26 27 28 29 30	23·2 24·1 24·9 25·8 26·7	11.8 12.3 12.7 13.2 13.6	86 87 88 89 90	76·6 77·5 78·4 79·3 80·2	39.0 39.5 40.0 40.4 40.9	146 147 148 149 150	130·1 131·0 131·9 132·8 133·7	66·3 66·7 67·2 67·6 68·1	206 207 208 209 210	183·5 184·4 185·3 186·2 187·1	93·5 94·0 94·4 94·9 95·3	266 267 268 269 270	237·9 238·8 239·7 240·6	120·8 121·2 121·7 122·1 122·6
31 32 33 34 35	27.6 28.5 29.4 30.3 31.2	14·1 14·5 15·0 15·4 15·9	91 92 93 94 95	81·1 82·0 82·9 83·8 84·6	41·3 41·8 42·2 42·7 43·1	151 152 153 154 155	134.5 135.4 136.3 137.2 138.1	68.6 69.0 69.5 69.9 70.4	211 212 213 214 215	188.9 189.8 190.7 191.6	95·8 96·2 96·7 97·2 97·6	271 272 273 274 275	241.5 242.4 243.2 244.1 245.0	123·0 123·5 123·9 124·4 124·8
36	32·1	16·3	96	85·5	43.6	156	139.0	70·8	216	192.5	98·1	276	245.9	125·8
37	33·0	16·8	97	86·4	44.0	157	139.9	71·3	217	193.3	98·5	277	246.8	125·8
38	33·9	17·3	98	87·3	44.5	158	140.8	71·7	218	194.2	99·0	278	247.7	126·2
39	34·7	17·7	99	88·2	44.9	159	141.7	72·2	219	195.1	99·4	279	248.6	126·7
40	35·6	18·2	100	89·1	45.4	160	142.6	72·6	220	196.0	99·9	280	249.5	127·1
41	36·5	18.6	101	90·0	45.9	161	143·5	73·1	221	196.9	100·3	281	250·4	127.6
42	37·4	19.1	102	90·9	46.3	162	144·3	73·5	222	197.8	100·8	282	251·3	128.0
43	38·3	19.5	103	91·8	46.8	163	145·2	74·0	223	198.7	101·2	283	252·2	128.5
44	39·2	20.0	104	92·7	47.2	164	146·1	74·5	224	199.6	101·7	284	253·0	128.9
45	40·1	20.4	105	93·6	47.7	165	147·0	74·9	225	200.5	102·1	285	253·9	129.4
46 47 48 49 50	41.9 42.8 43.7 44.6	20·9 21·3 21·8 22·2 22·7	106 107 108 109 110	94·4 95·3 96·2 97·1 98·0	48·1 48·6 49·0 49·5 49·9	166 167 168 169 170	147.9 148.8 149.7 150.6 151.5	75·4 75·8 76·3 76·7 77·2	226 227 228 229 230	201·4 202·3 203·1 204·0 204·9	102.6 103.1 103.5 104.0 104.4	286 287 288 289 290	254·8 255·7 256·6 257·5 258·4	129·8 130·3 130·7 131·2 131·7
51	45·4	23·2	111	98·9	50·4	171	152·4	77.6	231	205·8	104·9	291	259·3	132·1
52	46·3	23·6	112	99·8	50·8	172	153·3	78.1	232	206·7	105·3	292	260·2	132·6
53	47·2	24·1	113	100·7	51·3	173	154·1	78.5	233	207·6	106·8	293	261·1	133·0
54	48·1	24·5	114	101·6	51·8	174	155·0	79.0	234	208·5	106·2	294	262·0	133·5
55	49·0	25·0	115	102·5	52·2	175	155·9	79.4	235	209·4	106·7	295	262·8	133·9
56	49·9	25·4	116	103·4	52·7	176	156·8	79·9	236	210·3	107·1	296	263·7	134·4
57	50·8	25·9	117	104·2	53·1	177	157·7	80·4	237	211·2	107·6	297	264·6	134·8
58	51·7	26·3	118	105·1	53·6	178	158·6	80·8	238	212·1	108·0	298	265·5	185·3
59	52·6	26·8	119	106·0	54·0	179	159·5	81·3	239	213·0	108·5	299	266·4	135·7
60	53·5	27·2	120	106·9	54·5	180	160·4	81·7	240	213·8	109·0	300	267·3	136·2
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	

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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·9	00.5	61	53.9	28.6	121	106·8	56.8	181	159·8	85·0	241	212·8	113·1
2	01·8	00.9	62	54.7	29.1	122	107·7	57.3	182	160·7	85·4	242	213·7	113·6
3	02·6	01.4	63	55.6	29.6	123	108·6	57.7	183	161·6	85·9	243	214·6	114·1
4	03·5	01.9	64	56.5	30.0	124	109·5	58.2	184	162·5	86·4	244	215·4	114·6
5	04·4	02.3	65	57.4	30.5	125	110·4	58.7	185	163·3	86·9	245	216·3	115·0
6 7 8 9	05·3 06·2 07·1 07·9 08·8	02·8 03·3 03·8 04·2 04·7	66 67 68 69 70	58·3 59·2 60·0 60·9 61·8	31.5 31.9 32.4 32.9	126 127 128 129 130	111·3 112·1 113·0 113·9 114·8	59·2 59·6 60·1 60·6 61·0	186 187 188 189 190	164.2 165.1 166.0 166.9 167.8	87·3 87·8 88·3 88·7 89·2	246 247 248 249 250	217·2 218·1 219·0 219·9 220·7	115·5 116·0 116·4 116·9 117·4
11	09·7	05·2	71	62.7	33·3	131	115·7	61.5	191	168.6	89·7	251	221.6	117·8
12	10·6	05·6	72	63.6	33·8	132	116·5	62.0	192	169.5	90·1	252	222.5	118·3
13	11·5	06·1	73	64.5	34·3	133	117·4	62.4	193	170.4	90·6	253	223.4	118·8
14	12·4	06·6	74	65.3	34·7	134	118·3	62.9	194	171.3	91·1	254	224.3	119·2
15	13·2	07·0	75	66.2	35·2	135	119·2	63.4	195	172.2	91·5	255	225.2	119·7
16 17 18 19 20	14·1 15·0 15·9 16·8 17·7	07.5 08.0 08.5 08.9 09.4	76 77 78 79 80	67·1 68·9 69·8 70·6	35·7 36·1 36·6 37·1 37·6	136 137 138 139 140	120·1 121·0 121·8 122·7 123·6	63·8 64·3 64·8 65·3 65·7	196 197 198 199 200	173·1 173·9 174·8 175·7 176·6	92·0 92·5 93·0 98·4 93·9	256 257 258 259 260	226.0 226.9 227.8 228.7 229.6	120·2 120·7 121·1 121·6 122·1
21	18·5	09·9	81	71·5	38·0	141	124·5	66·2	201	177.5	94·4	261	230·4	122.5
22	19·4	10·3	82	72·4	38·5	142	125·4	66·7	202	178.4	94·8	262	231·3	123.0
23	20·3	10·8	83	73·3	39·0	143	126·3	67·1	203	179.2	95·3	263	232·2	123.5
24	21·2	11·3	84	74·2	39·4	144	127·1	67·6	204	180.1	95·8	264	233·1	123.9
25	22·1	11·7	85	75·1	39·9	145	128·0	68·1	205	181.0	96·2	265	234·0	124.4
26	23·0	12·2	86	75·9	40·4	146	128.9	68·5	206	181·9	96·7	266	234·9	124·9
27	23·8	12·7	87	76·8	40·8	147	129.8	69·0	207	182·8	97·2	267	235·7	125·3
28	24·7	13·1	88	77·7	41·3	148	130.7	69·5	208	183·7	97·7	268	236·6	125·8
29	25·6	13·6	89	78·6	41·8	149	131.6	70·0	209	184·5	98·1	269	237·5	126·3
30	26·5	14·1	90	7 9·5	42·3	150	132.4	70·4	210	185·4	98·6	270	238·4	126·8
31	27·4	14.6	91	80·3	42.7	151	133·3	70·9	211	136·3	99.1	271	239·3	127·2
32	28·3	15.0	92	81·2	43.2	152	134·2	71·4	212	187·2	99.5	272	240·2	127·7
33	29·1	15.5	93	82·1	43.7	153	135·1	71·8	213	188·1	100.0	273	241·0	128·2
34	30·0	16.0	94	83·0	44.1	154	136·0	72·3	214	189·0	100.5	274	241·9	128·6
35	80·9	16.4	95	83·9	44.6	155	136·9	72·8	215	189·8	100.9	275	242·8	129·1
36	31·8	16.9	96	84·8	45·1	156	137.7	73·2	216	190.7	101·4	276	248·7	129.6
37	32·7	17.4	97	85·6	45·5	157	138.6	73·7	217	191.6	101·9	277	244·6	130.0
38	33·6	17.8	98	86·5	46·0	158	139.5	74·2	218	192.5	102·3	278	245·5	130.5
39	34·4	18.3	99	87·4	46·5	159	140.4	74·6	219	193.4	102·8	279	246·3	131.0
40	35·3	18.8	100	88·3	46·9	160	141.3	75·1	220	194.2	103·3	280	247·2	131.5
41	36·2	19·2	101	89·2	47.4	161	142·2	75·6	221	195·1	103·8	281	248·1	131·9
42	37·1	19·7	102	90·1	47.9	162	143·0	76·1	222	196·0	104·2	282	249·0	132·4
43	38·0	20·2	103	90·9	48.4	163	143·9	76·5	223	196·9	104·7	283	249·9	132·9
44	38·8	20·7	104	91·8	48.8	164	144·8	77·0	224	197·8	105·2	284	250·8	133·3
45	39·7	21·1	105	92·7	49.3	165	145·7	77·5	225	198·7	105·6	285	251·6	133·8
46	40.6	21.6	106	93.6	49.8	166	146.6	77.9	226	199.5	106.1	286	252.5	134·3
47	41.5	22.1	107	94.5	50.2	167	147.5	78.4	227	200.4	106.6	287	253.4	134·7
48	42.4	22.5	108	95.4	50.7	168	148.3	78.9	228	201.3	107.0	288	254.3	135·2
49	43.3	23.0	109	96.2	51.2	169	149.2	79.3	229	202.2	107.5	289	255.2	135·7
50	44.1	23.5	110	97.1	51.6	170	150.1	79.8	230	203.1	108.0	290	256.1	136·1
51 52 53 54 55	45.9 46.8 47.7 48.6	23.9 24.4 24.9 25.4 25.8	111 112 113 114 115	98.9 98.9 99.8 100.7 101.5	52·1 52·6 53·1 53·5 54·0	171 172 173 174 175	151.0 151.9 152.7 153.6 154.5	80·3 80·7 81·2 81·7 82·2	231 232 233 234 235	204.0 204.8 205.7 206.6 207.5	108·4 108·9 109·4 109·9 110·3	291 292 293 294 295	256·9 257·8 258·7 259·6 260·5	136·6 137·6 138·0 138·5
56	49·4	26·3	116	102·4	54.5	176	155·4	82·6	236	208·4	110·8	296	261·3	139·0
57	50·3	26·8	117	103·3	54.9	177	156·3	83·1	237	209·3	111·3	297	262·2	139·4
58	51·2	27·2	118	104·2	55.4	178	157·2	83·6	238	210·1	111·7	298	263·1	139·9
59	52·1	27·7	119	105·1	55.9	179	158·0	84·0	239	211·0	112·2	299	264·0	140·4
60	53·0	28·2	120	106·0	56.3	180	158·9	84·5	240	211·9	112·7	300	264·9	140·8
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6 7 8 9 10	05·2 06·1 07·0 07·9 08·7	02.9 03.4 03.9 04.4 04.8	66 67 68 69 70	57·7 58·6 59·5 60·3 61·2	32·5 33·5 33·9	126 127 128 129 130	110·2 111·1 112·0 112·8 113·7	61·1 61·6 62·1 62·5 63·0	186 187 188 189 190	162.7 163.6 164.4 165.3 166.2	90·2 90·7 91·1 91·6 92·1	246 247 248 249 250	215·2 216·0 216·9 217·8 218·7	119·3 119·7 120·2 120·7 121·2
11 12 13 14 15	09.6 10.5 11.4 12.2 13.1	05·3 06·3 06·8 07·3	71 72 73 74 75	62·1 63·0 63·8 64·7 65·6	34·4 34·9 35·4 35·9 36·4	131 132 133 134 135	114.6 115.4 116.3 117.2 118.1	63.5 64.0 64.5 65.0 65.4	191 192 193 194 195	167·1 167·9 168·8 169·7 170·6	92.6 93.1 93.6 94.1 94.5	251 252 253 254 255	219°5 220°4 221°3 222°2 223°0	121·7 122·2 122·7 123·1 123·6
16 17 18 19 20	14.0 14.9 15.7 16.6 17.5	07:8 08:2 08:7 09:2 09:7	76 77 78 79 80	66.5 67.3 68.2 69.1 70.0	36·8 37·3 37·8 38·3 38·8	136 137 138 139 140	118.9 119.8 120.7 121.6 122.4	65.9 66.4 66.9 67.4 67.9	196 197 198 199 200	171·4 172·3 173·2 174·0 174·9	95.0 95.5 96.0 96.5 97.0	256 257 258 259 260	223·9 224·8 225·7 226·5 227·4	124·1 124·6 125·1 125·6 126·1
21 22 23 24 25	18·4 19·2 20·1 21·0 21·9	10·2 10·7 11·2 11·6 12·1	81 82 83 84 85	70·8 71·7 72·6 73·5 74·3	39·3 39·8 40·2 40·7 41·2	141 142 143 144 145	123·3 124·2 125·1 125·9 126·8	68.4 68.8 69.3 69.8 70.3	201 202 203 204 205	175·8 176·7 177·5 178·4 179·3	97·4 97·9 98·4 98·9 99·4	261 262 263 264 265	228·3 229·2 230·0 230·9 231·8	126.5 127.0 127.5 128.0 128.5
26 27 28 29 30	22·7 23·6 24·5 25·4 26·2	12.6 13.1 13.6 14.1 14.5	86 87 88 89 90	75·2 76·1 77·0 77·8 78·7	41.7 42.2 42.7 43.1 43.6	146 147 148 149 150	127.7 128.6 129.4 130.3 131.2	70·8 71·3 71·8 72·2 72·7	206 207 208 209 210	180·2 181·0 181·9 182·8 183·7	99.9 100.4 100.8 101.3 101.8	266 267 268 269 270	232.6 233.5 234.4 235.3 236.1	129.0 129.4 129.9 130.4 130.9
31 32 33 34 35	27·1 28·0 28·9 29·7 30·6	15.0 15.5 16.0 16.5 17.0	91 92 93 94 95	79.6 80.5 81.3 82.2 83.1	44·1 44·6 45·1 45·6 46·1	151 152 153 154 155	132·1 132·9 133·8 134·7 135·6	73·2 73·7 74·2 74·7 75·1	211 212 213 214 215	184.5 185.4 186.3 187.2 188.0	102·3 102·8 103·3 103·7 104·2	271 272 273 274 275	237.9 238.8 239.6 240.5	131·4 131·9 132·4 132·8 133·3
36 37 38 39 40	31·5 32·4 33·2 34·1 35·0	17.5 17.9 18.4 18.9 19.4	96 97 98 99 100	84·0 84·8 85·7 86·6 87·5	46.5 47.0 47.5 48.0 48.5	156 157 158 159 160	136·4 137·3 138·2 139·1 139·9	75.6 76.1 76.6 77.1 77.6	216 217 218 219 220	188.9 189.8 190.7 191.5 192.4	104.7 105.2 105.7 106.2 106.7	276 277 278 279 280	241·4 242·3 243·1 244·0 244·9	133·8 134·3 134·8 135·3 135·7
41 42 43 44 45	35·9 36·7 37·6 38·5 39·4	19·9 20·4 20·8 21·3 21·8	101 102 103 104 105	88·3 89·2 90·1 91·0 91·8	49.0 49.5 49.9 50.4 50.9	161 162 163 164 165	140.8 141.7 142.6 143.4 144.3	78·1 78·5 79·0 79·5 80·0	221 222 223 224 225	193·3 194·2 195·0 195·9 196·8	107.1 107.6 108.1 108.6 109.1	281 282 283 284 285	245·8 246·6 247·5 248·4 249·3	136·2 136·7 137·2 137·7 138·2
46 47 48 49 50	40·2 41·1 42·0 42·9 43·7	22·3 22·8 23·3 23·8 24·2	106 107 108 109 110	92.7 93.6 94.5 95.3 96.2	51·4 51·9 52·4 52·8 53·3	166 167 168 169 170	145.2 146.1 146.9 147.8 148.7	80·5 81·0 81·4 81·9 82·4	226 227 228 229 230	197·7 198·5 199·4 200·3 201·2	109.6 110.1 110.5 111.0 111.5	286 287 288 289 290	250·1 251·0 251·9 252·8 253·6	138.7 139.1 139.6 140.1 140.6
51 52 53 54 55	44.6 45.5 46.4 47.2 48.1	24·7 25·2 25·7 26·2 26·7	111 112 113 114 115	97·1 98·0 98·8 99·7 100·6	53·8 54·3 54·8 55·3 55·8	171 172 173 174 175	149.6 150.4 151.3 152.2 153.1	82·9 83·4 83·9 84·4 84·8	231 232 233 234 235	202·0 202·9 203·8 204·7 205·5	112.0 112.5 113.0 113.4 113.9	291 292 293 294 295	254·5 255·4 256·3 257·1 258·0	141.6 142.0 142.5 143.0
56 57 58 59 60	49.0 49.9 50.7 51.6 52.5	27·1 27·6 28·1 28·6 29·1	116 117 118 119 120	101.5 102.3 103.2 104.1 105.0	56·2 56·7 57·2 57·7 58·2	176 177 178 179 180	153·9 154·8 155·7 156·6 157·4	85·3 86·3 86·8 87·3	236 237 238 239 240	206 4 207 3 208 2 209 0 209 9	114·4 114·9 115·4 115·9 116·4	296 297 298 299 300	258·9 259·8 260·6 261·5 262·4	143·5 144·0 144·5 145·0 145·4
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6 7 8 9 10	05·2 06·1 06·9 07·8 08·7	03·0 03·5 04·0 04·5 05·0	66 67 68 69 70	57.2 58.0 58.9 59.8 60.6	33·0 33·5 34·0 34·5 35·0	126 127 128 129 130	109·1 110·0 110·9 111·7 112·6	63·0 63·5 64·0 64·5 65·0	186 187 188 189 190	161·1 161·9 162·8 163·7 164·5	93·0 93·5 94·0 94·5 95·0	246 247 248 249 250	213·0 213·9 214·8 215·6 216·5	123·0 123·5 124·0 124·5 125·0
11 12 13 14 15	09·5 10·4 11·3 12·1 13·0	05.5 06.0 06.5 07.0 07.5	71 72 73 74 75	61·5 62·4 63·2 64·1 65·0	35·5 36·0 36·5 37·0 37·5	131 132 133 134 135	113·4 114·3 115·2 116·0 116·9	65·5 66·5 67·0 67·5	191 192 193 194 195	165·4 166·3 167·1 168·0 168·9	95·5 96·0 96·5 97·0 97·5	251 252 253 254 255	217·4 218·2 219·1 220·0 -220·8	125.5 126.0 126.5 127.0 127.5
16 17 18 19 20	13·9 14·7 15·6 16·5 17·3	08·0 08·5 09·0 09·5 10·0	76 77 78 79 80	65.8 66.7 67.5 68.4 69.3	38·0 38·5 39·0 39·5 40·0	136 137 138 139 140	117.8 118.6 119.5 120.4 121.2	68·0 68·5 69·0 69·5 70·0	196 197 198 199 200	169·7 170·6 171·5 172·3 173·2	98.0 98.5 99.0 99.5 100.0	256 257 258 259 260	221·7 222·6 223·4 224·3 225·2	128.0 128.5 129.0 129.5 130.0
21 22 23 24 25	18.2 19.1 19.9 20.8 21.7	10·5 11·0 11·5 12·0 12·5	81 82 83 84 85	70·1 71·0 71·9 72·7 73·6	40.5 41.0 41.5 42.0 42.5	141 142 143 144 145	122·1 123·0 123·8 124·7 125·6	70·5 71·0 71·5 72·0 72·5	201 202 203 204 205	174·1 174·9 175·8 176·7 177·5	100·5 101·0 101·5 102·0 102·5	261 262 263 264 265	226·0 226·9 227·8 228·6 229·5	130·5 131·0 131·5 132·0 132·5
26 27 28 29 30	22.5 23.4 24.2 25.1 26.0	13.0 13.5 14.0 14.5 15.0	86 87 88 89 90	74·5 75·3 76·2 77·1 77·9	43.0 43.5 44.0 44.5 45.0	146 147 148 149 150	126·4 127·3 128·2 129·0 129·9	73·0 73·5 74·0 74·5 75·0	206 207 208 209 210	178·4 179·3 180·1 181·0 181·9	103·0 103·5 104·0 104·5 105·0	266 267 268 269 270	230·4 231·2 232·1 233·0 233·8	133·0 133·5 134·0 134·5 135·0
31 32 33 34 35	26·8 27·7 28·6 29·4 30·3	15·5 16·0 16·5 17·0 17·5	91 92 93 94 95	78·8 79·7 80·5 81·4 82·3	45.5 46.0 46.5 47.0 47.5	151 152 153 154 155	130·8 131·6 132·5 133·4 134·2	75·5 76·0 76·5 77·0 77·5	211 212 213 214 215	182.7 183.6 184.5 185.3 186.2	105.5 106.0 106.5 107.0 107.5	271 272 273 274 275	234·7 235·6 236·4 237·3 238·2	135·5 136·5 137·0 137·5
36 37 38 39 40	31·2 32·0 32·9 33·8 34·6	18.0 18.5 19.0 19.5 20.0	96 97 98 99 100	83·1 84·0 84·9 85·7 86·6	48.0 48.5 49.0 49.5 50.0	156 157 158 159 160	135·1 136·0 136·8 137·7 138·6	78·0 78·5 79·0 79·5 80·0	216 217 218 219 220	187·1 187·9 188·8 189·7 190·5	108·0 108·5 109·0 109·5 110·0	276 277 278 279 280	239·0 239·9 240·8 241·6 242·5	138.0 138.5 139.0 139.5 140.0
41 42 43 44 45	35·5 36·4 37·2 38·1 39·0	20.5 21.0 21.5 22.0 22.5	101 102 103 104 105	87·5 88·3 89·2 90·1 90·9	50·5 51·5 52·0 52·5	161 162 163 164 165	139.4 140.3 141.2 142.0 142.9	80·5 81·5 82·0 82·5	221 222 223 224 225	191.4 192.3 193.1 194.0 194.9	110·5 111·0 111·5 112·0 112·5	281 282 283 284 285	243·4 244·2 245·1 246·0 246·8	140.5 141.0 141.5 142.0 142.5
46 47 48 49 50	39·8 40·7 41·6 42·4 43·3	23·0 23·5 24·0 24·5 25·0	106 107 108 109 110	91.8 92.7 93.5 94.4 95.3	53·0 53·5 54·0 54·5 55·0	166 167 168 169 170	143.8 144.6 145.5 146.4 147.2	83·0 83·5 84·0 84·5 85·0	226 227 228 229 230	195.7 196.6 197.5 198.3 199.2	113.0 113.5 114.0 114.5 115.0	286 287 288 289 290	247·7 248·5 249·4 250·3 251·1	143.0 143.5 144.0 144.5 145.0
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1 00°9 00°5	61 52:3 31:4	121 103·7 62·3	181 155·1 93·2	241 206·6 124·1
2 01°7 01°0	62 53:1 31:9	122 104·6 62·8	182 156·0 93·7	242 207·4 124·6
3 02°6 01°5	63 54:0 32:4	123 105·4 63·3	183 156·9 94·3	243 208·3 125·2
4 03°4 02°1	64 54:9 33:0	124 106·3 63·9	184 157·7 94·8	244 209·1 125·7
5 04°3 02°6	65 55:7 33:5	125 107·1 64·4	185 158·6 95·3	245 210·0 126·2
6 05·1 03·1	66 56.6 34.0	126 108·0 64·9	186 159·4 95·8	246 210.9 126.7
7 06·0 03·6	67 57.4 34.5	127 108·9 65·4	187 160·3 96·3	247 211.7 127.2
8 06·9 04·1	68 58.3 35.0	128 109·7 65·9	188 161·1 96·8	248 212.6 127.7
9 07·7 04·6	69 59.1 35.5	129 110·6 66·4	189 162·0 97·3	249 213.4 128.2
10 08·6 05·2	70 60.0 36.1	130 111·4 67·0	190 162·9 97·9	250 214.3 128.8
11 09·4 05·7	71 60·9 36·6	131 112·3 67·5	191 163·7 98·4	251 215·1 129·8
12 10·3 06·2	72 61·7 37·1	132 113·1 68·0	192 164·6 98·9	252 216·0 129·8
13 11·1 06·7	73 62·6 37·6	133 114·0 68·5	193 165·4 99·4	253 216·9 130·3
14 12·0 07·2	74 63·4 38·1	134 114·9 69·0	194 166·3 99·9	254 217·7 130·8
15 12·9 07·7	75 64·3 38·6	135 115·7 69·5	195 167·1 100·4	255 218·6 131·3
16 13·7 08·2	76 65·1 39·1	136 116·6 70·0	196 168·0 100·9	256 219·4 131·8
17 14·6 08·8	77 66·0 39·7	137 117·4 70·6	197 168·9 101·5	257 220·3 132·4
18 15·4 09·3	78 66·9 40·2	138 118·3 71·1	198 169·7 102·0	258 221·1 132·9
19 16·3 09·8	79 67·7 40·7	139 119·1 71·6	199 170·6 102·5	259 222·0 133·4
20 17·1 10·3	80 68·6 41·2	140 120·0 72·1	200 171·4 103·0	260 222·9 133·9
21 18·0 10·8	81 69·4 41·7	141 120.9 72.6	201 172·3 103·5	261 223·7 134·4
22 18·9 11·3	82 70·3 42·2	142 121.7 73.1	202 173·1 104·0	262 224·6 134·9
23 19·7 11·8	83 71·1 42·7	143 122.6 73.7	203 174·0 104·6	263 225·4 135·5
24 20·6 12·4	84 72·0 43·3	144 123.4 74.2	204 174·9 105·1	264 226·3 136·0
25 21·4 12·9	85 72·9 43·8	145 124.3 74.7	205 175·7 105·6	265 227·1 136·5
26 22·3 13·4	86 73.7 44.3	146 125·1 75·2	206 176.6 106.1	266 228.0 137.0
27 23·1 13·9	87 74.6 44.8	147 126·0 75·7	207 177.4 106.6	267 228.9 137.5
28 24·0 14·4	88 75.4 45.3	148 126·9 76·2	208 178.3 107.1	268 229.7 138.0
29 24·9 14·9	89 76.3 45.8	149 127·7 76·7	209 179.1 107.6	269 230.6 138.5
30 25·7 15·5	90 77.1 46.4	150 128·6 77·3	210 180.0 108.2	270 231.4 139.1
31 26.6 16.0	91 78·0 46·9	151 129.4 77.8	211 180.9 108.7	271 232·3 139·6
32 27.4 16.5	92 78·9 47·4	152 130.3 78.3	212 181.7 109.2	272 233·1 140·1
33 28.3 17.0	93 79·7 47·9	153 131.1 78.8	213 182.6 109.7	273 234·0 140·6
34 29.1 17.5	94 80·6 48·4	154 132.0 79.3	214 183.4 110.2	274 234·9 141·1
35 30.0 18.0	95 81·4 48·9	155 132.9 79.8	215 184.3 110.7	275 235·7 141·6
36 30·9 18·5	96 82·3 49·4	156 133.7 80.3	216 185·1 111·2	276 236·6 142·2
37 31·7 19·1	97 83·1 50·0	157 134.6 80.9	217 186·0 111·8	277 237·4 142·7
38 32·6 19·6	98 84·0 50·5	158 135.4 81.4	218 186·9 112·3	278 238·3 143·2
39 33·4 20·1	99 84·9 51·0	159 136.3 81.9	219 187·7 112·8	279 239·1 143·7
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41 35·1 21·1	101 86·6 52·0	161 138·0 82·9	221 189.4 113.8	281 240.9 144.7
42 36·0 21·6	102 87·4 52·5	162 138·9 83·4	222 190.3 114.3	282 241.7 145.2
43 36·9 22·1	103 88·3 53·0	163 139·7 84·0	223 191.1 114.9	283 242.6 145.8
44 37·7 22·7	104 89·1 53·6	164 140·6 84·5	224 192.0 115.4	284 243.4 146.3
45 38·6 23·2	105 90·0 54·1	165 141·4 85·0	225 192.9 115.9	285 244.3 146.8
46 39·4 23·7	106 90.9 54.6	166 142.3 85.5	226 193·7 116·4	286 245·1 147·3
47 40·3 24·2	107 91.7 55.1	167 143.1 86.0	227 194·6 116·9	287 246·0 147·8
48 41·1 24·7	108 92.6 55.6	168 144.0 86.5	228 195·4 117·4	288 246·9 148·3
49 42·0 25·2	109 93.4 56.1	169 144.9 87.0	229 196·3 117·9	289 247·7 148·8
50 42·9 25·8	110 94.3 56.7	170 145.7 87.6	230 197·1 118·5	290 248·6 149·4
51 43.7 26.3	111 95·1 57·2	171 146.6 88.1	231 198·0 119·0	291 249·4 149·9
52 44.6 26.8	112 96·0 57·7	172 147.4 88.6	232 198·9 119·5	292 250·3 150·4
53 45.4 27.3	113 96·9 58·2	173 148.3 89.1	233 199·7 120·0	293 251·2 150·9
54 46.3 27.8	114 97·7 58·7	174 149.1 89.6	234 200·6 120·5	294 252·0 151·4
55 47.1 28.3	115 98·6 59·2	175 150.0 90.1	235 201·4 121·0	295 252·9 151·9
56 48.0 28.8	116 99.4 59.7	176 150·9 90·6	236 202·3 121·5	296 253·7 152·5
57 48.9 29.4	117 100.3 60.3	177 151·7 91·2	237 203·1 122·1	297 254·6 153·0
58 49.7 29.9	118 101.1 60.8	178 152·6 91·7	238 204·0 122·6	298 255·4 153·5
59 50.6 30.4	119 102.0 61.3	179 153·4 92·2	239 204·9 123·1	299 256·3 154·0
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12 13 14	09·3 10·2 11·0 11·9 12·7	05·8 06·4 06·9 07·4 07·9	71 72 73 74 75	60·2 61·1 61·9 62·8 63·6	37.6 38.2 38.7 39.2 39.7	131 132 133 134 135	111·1 111·9 112·8 113·6 114·5	69·4 69·9 70·5 71·0 71·5	191 192 193 194 195	162.0 162.8 163.7 164.5 165.4	101·2 101·7 102·3 102·8 103·3	251 252 253 254 255	212·9 213·7 214·6 215·4 216·3	183·0 133·5 134·1 134·6 135·1
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22 23 24	17.8 18.7 19.5 20.4 21.2	11·1 11·7 12·2 12·7 13·2	81 82 83 84 85	68·7 69·5 70·4 71·2 72·1	42.9 43.5 44.0 44.5 45.0	141 142 143 144 145	119.6 120.4 121.3 122.1 123.0	74.7 75.2 75.8 76.3 76.8	201 202 203 204 205	170.5 171.3 172.2 173.0 173.8	106.5 107.0 107.6 108.1 108.6	261 262 263 264 265	221·3 222·2 223·0 223·9 224·7	138·3 138·8 139·4 139·9 140·4
27 28 29	22·0 22·9 23·7 24·6 25·4	13·8 14·3 14·8 15·4 15·9	86 87 88 89 90	72·9 73·8 74·6 75·5 76·3	45.6 46.1 46.6 47.2 47.7	146 147 148 149 150	123·8 124·7 125·5 126·4 127·2	77·4 77·9 78·4 79·0 79·5	206 207 208 209 210	174·7 175·5 176·4 177·2 178·1	109·2 109·7 110·2 110·8 111·3	266 267 268 269 270	225·6 226·4 227·3 228·1 229·0	141.0 141.5 142.0 142.5 143.1
32 33 34	26·3 27·1 28·0 28·8 29·7	16·4 17·0 17·5 18·0 18·5	91 92 93 94 95	77·2 78·0 78·9 79·7 80·6	48.2 48.8 49.3 49.8 50.3	151 152 153 154 155	128·1 128·9 129·8 130·6 131·4	80.0 80.5 81.1 81.6 82.1	211 212 213 214 215	178.9 179.8 180.6 181.5 182.3	111:8 112:3 112:9 113:4 113:9	271 272 273 274 275	229·8 230·7 231·5 232·4 233·2	143.6 144.1 144.7 145.2 145.7
37 38 39	30·5 31·4 32·2 33·1 33·9	19·1 19·6 20·1 20·7 21·2	96 97 98 99 100	81·4 82·3 83·1 84·0 84·8	50.9 51.4 51.9 52.5 53.0	156 157 158 159 160	132·3 133·1 134·0 134·8 135·7	82.7 83.2 83.7 84.3 84.8	216 217 218 219 220	183·2 184·0 184·9 185·7 186·6	114.5 115.0 115.5 116.1 116.6	276 277 278 279 280	234·1 234·9 235·8 236·6 237·5	146:8 146:8 147:3 147:8 148:4
42 43 44	34·8 35·6 36·5 37·3 38·2	21·7 22·3 22·8 23·3 23·8	101 102 103 104 105	85·7 86·5 87·3 88·2 89·0	53·5 54·1 54·6 55·1 55·6	161 162 163 164 165	136.5 137.4 138.2 139.1 139.9	85·3 85·8 86·4 86·9 87·4	221 222 223 224 225	187.4 188.3 189.1 190.0 190.8	117·1 117·6 118·2 118·7 119·2	281 282 283 284 285	238·3 239·1 240·0 240·8 241·7	148.9 149.4 150.0 150.5 151.0
47 48 49	39·0 39·9 40·7 41·6 42·4	24·4 24·9 25·4 26·0 26·5	106 107 108 109 110	89·9 90·7 91·6 92·4 93·3	56·2 56·7 57·2 57·8 58·3	166 167 168 169 170	140·8 141·6 142·5 143·3 144·2	88.0 88.5 89.0 89.6 90.1	226 227 228 229 230	191.7 192.5 193.4 194.2 195.1	119·8 120·3 120·8 121·4 121·9	286 287 288 289 290	242.5 243.4 244.2 245.1 245.9	151.6 152.1 152.6 153.1 153.7
51 52 53 54 55	43·3 44·1 44·9 45·8 46·6	27.6 28.1 28.6 29.1	111 112 113 114 115	94·1 95·0 95·8 96·7 97·5	58·8 59·4 59·9 60·4 60·9	171 172 173 174 175	145.0 145.9 146.7 147.6 148.4	90.6 91.1 91.7 92.2 92.7	231 232 233 234 235	195·9 196·7 197·6 198·4 199·3	122:4 122:9 123:5 124:0 124:5	291 292 293 294 295	246.8 247.6 248.5 249.3 250.2	154·2 154·7 155·3 155·8 156·3
	47.5 48.3 49.2 50.0 50.9	29·7 30·2 30·7 31·3 31·8	119	98.4 99.2 100.1 100.9 101.8	61.5 62.0 62.5 63.1 63.6	176 177 178 179 180	149:3 150:1 151:0 151:8 152:6	93·3 93·8 94·3 94·9 95·4	236 237 238 239 240	200·1 201·0 201·8 202·7 203·5	125·1 125·6 126·1 126·7 127·2	296 297 298 299 300	251.0 251.9 252.7 253.6 254.4	156.9 157.4 157.9 158.4 159.0
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2	01·7	01·1	62	52·0	33·8	122	102.3	66.4	182	152·6	99.1	242	203·0	131·8
3	02·5	01·6	63	52·8	34·3	123	103.2	67.0	183	153·5	99.7	243	203·8	132·3
4	03·4	02·2	64	53·7	34·9	124	104.0	67.5	184	154·3	100.2	244	204·6	132·9
5	04·2	02·7	65	54·5	35·4	125	104.8	68.1	185	155·2	100.8	245	205·5	133·4
6 7 8 9	05·0 05·9 06·7 07·5 08·4	03·3 03·8 04·4 04·9 05·4	66 67 68 69 70	55·4 56·2 57·0 57·9 58·7	35.9 36.5 37.0 37.6 38.1	126 127 128 129 130	105.7 106.5 107.3 108.2 109.0	68·6 69·2 69·7 70·3 70·8	186 187 188 189 190	156.0 156.8 157.7 158.5 159.3	101·3 101·8 102·4 102·9 103·5	246 247 248 249 250	206·3 207·2 208·0 208·8 209·7	134·0 134·5 135·1 135·6 136·2
11	09·2	06.0	71	59·5	38.7	131	109:9	71·3	191	160·2	104.0	251	210·5	136.7
12	10·1	06.5	72	60·4	39.2	132	110:7	71·9	192	161·0	104.6	252	211·3	137.2
13	10·9	07.1	73	61·2	39.8	133	111:5	72·4	193	161·9	105.1	253	212·2	137.8
14	11·7	07.6	74	62·1	40.3	134	112:4	73·0	194	162·7	105.7	254	213·0	138.3
15	12·6	08.2	75	62·9	40.8	135	113:2	73·5	195	163·5	106.2	255	213·9	138.9
16	13·4	08.7	76	63.7	41.4	136	114·1	74·1	196	164·4	106·7	256	214·7	139·4
17	14·3	09.3	77	64.6	41.9	137	114·9	74·6	197	165·2	107·3	257	215·5	140·0
18	15·1	09.8	78	65.4	42.5	138	115·7	75·2	198	166·1	107·8	258	216·4	140·5
19	15·9	10.3	79	66.3	43.0	139	116·6	75·7	199	166·9	108·4	259	217·2	141·1
20	16·8	10.9	80	67.1	43.6	140	117·4	76·2	200	167·7	108·9	260	218·1	141·6
21	17.6	11.4	81	67·9	44·7	141	118·3	76·8	201	168.6	109.5	261	218·9	142·2
22	18.5	12.0	82	68·8	44·7	142	119·1	77·3	202	169.4	110.0	262	219·7	142·7
23	19.3	12.5	83	69·6	45·2	143	119·9	77·9	203	170.3	110.6	263	220·6	143·2
24	20.1	13.1	84	70·4	45·7	144	120·8	78·4	204	171.1	111.1	264	221·4	143·8
25	21.0	13.6	85	71·3	46·3	145	121·6	79·0	205	171.9	111.7	265	222·2	144·3
26	21.8	14·2	86	72·1	46.8	146	122·4	79·5	206	172.8	112·2	266	223·1	144.9
27	22.6	14·7	87	73·0	47.4	147	123·3	80·1	207	173.6	112·7	267	223·9	145.4
28	23.5	15·2	88	73·8	47.9	148	124·1	80·6	208	174.4	113·3	268	224·8	146.0
29	24.3	15·8	89	74·6	48.5	149	125·0	81·2	209	175.3	113·8	269	225·6	-146.5
30	25.2	16·3	90	75·5	49.0	150	125·8	81·7	210	176.1	114·4	270	226·4	147.1
31	26·0	16.9	91	76·3	49.6	151	126.6	82·2	211	177.0	114·9	271	227·3	147.6
32	26·8	17.4	92	77·2	50.1	152	127.5	82·8	212	177.8	115·5	272	228·1	148.1
33	27·7	18.0	93	78·0	50.7	153	128.3	83·3	213	178.6	116·0	273	229·0	148.7
34	28·5	18.5	94	78·8	51.2	154	129.2	83·9	214	179.5	116·6	274	229·8	149.2
35	29·4	19.1	95	79·7	51.7	155	130.0	84·4	215	180.3	117·1	275	230·6	149.8
36 37 38 39 40	30·2 31·0 31·9 32·7 33·5	19·6 20·2 20·7 21·2 21·8	96 97 98 99 100	80.5 81.4 82.2 83.0 83.9	52·3 52·8 53·4 53·9 54·5	156 157 158 159 160	130·8 131·7 132·5 133·3 134·2	85.5 86.1 86.6 87.1	216 217 218 219 220	181.2 182.0 182.8 183.7 184.5	117.6 118.2 118.7 119.3 119.8	276 277 278 279 280	231·5 232·3 233·2 234·0 234·8	150·3 150·9 151·4 152·0 152·5
44	34·4 35·2 36·1 36·9 37·7	22·3 22·9 23·4 24·0 24·5	101 102 103 104 105	84·7 85·5 86·4 87·2 88·1	55.6 56.1 56.6 57.2	161 162 163 164 165	135.9 136.7 137.5 138.4	87.7 88.2 88.8 89.3 89.9	221 222 223 224 225	185·3 186·2 187·0 187·9 188·7	120·4 120·9 121·5 122·0 122·5	281 282 283 284 285	235·7 236·5 237·3 238·2 239·0	153.0 153.6 154.1 154.7 155.2
46	38·6	25·1	106	88.9	57.7	166	139·2	90.4	226	189.5	123·1	286	239·9	155.8
47	39·4	25·6	107	89.7	58.3	167	140·1	91.0	227	190.4	123·6	287	240·7	156.3
48	40·3	26·1	108	90.6	58.8	168	140·9	91.5	228	191.2	124·2	288	241·5	156.9
49	41·1	26·7	109	91.4	59.4	169	141·7	92.0	229	192.1	124·7	289	242·4	157.4
50	41·9	27·2	110	92.3	59.9	170	142·6	92.6	230	192.9	125·3	290	243·2	157.9
51 52 53 54 55	42·8 43·6 44·4 45·3 46·1	27·8 28·3 28·9 29·4 30·0	111 112 113 114 115	93·1 93·9 94·8 95·6 96·4	60·5 61·5 62·1 62·6	171 172 173 174 175	143.4 144.3 145.1 145.9 146.8	93·1 93·7 94·2 94·8 95·3	231 232 233 234 235	193.7 194.6 195.4 196.2 197.1	125.8 126.4 126.9 127.4 128.0	291 292 293 294 295	244·1 244·9 245·7 246·6 247·4	158·5 159·0 159·6 160·1 160·7
56	47·0	30·5	116	97·3	63·2	176	147.6	95·9	236	197·9	128.5	296	248·2	161.2
57	47·8	31·0	117	98·1	63·7	177	148.4	96·4	237	198·8	129.1	297	249·1	161.8
58	48·6	31·6	118	99·0	64·3	178	149.3	96·9	238	199·6	129.6	298	249·9	162.3
59	49·5	32·1	119	99·8	64·8	179	150.1	97·5	239	200·4	130.2	299	250·8	162.8
60	50·3	32·7	120	100·6	65·4	180	151.0	98·0	240	201·3	130.7	300	251·6	163.4
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5 04·1 02·8	65 53·9 36·3	125 103·6 69·9	185 153·4 103·5	245 203·1 137·0
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7 05·8 03·9	67 55.5 37.5	127 105·3 71·0	187 155·0 104·6	247 204·8 138·1
8 06·6 04·5	68 56.4 38.0	128 106·1 71·6	188 155·9 105·1	248 205·6 138·7
9 07·5 05·0	69 57.2 38.6	129 106·9 72·1	189 156·7 105·7	249 206·4 139·2
10 08·3 05·6	70 58.0 39.1	130 107·8 72·7	190 157·5 106·2	250 207·3 139·8
11 09·1 06·2	71 58·9 39·7	131 108·6 73·3	191 158·3 106·8	251 208·1 140·4
12 09·9 06·7	72 59·7 40·3	132 109·4 73·8	192 159·2 107·4	252 208·9 140·9
13 10·8 07·3	73 60·5 40·8	133 110·3 74·4	193 160·0 107·9	253 209·7 141·5
14 11·6 07·8	74 61·3 41·4	134 111·1 74·9	194 160·8 108·5	254 210·6 142·0
15 12·4 08·4	75 62·2 41·9	135 111·9 75·5	195 161·7 109·0	255 211·4 142·6
16 13·3 08·9	76 63·0 42·5	136 112·7 76·1	196 162·5 109·6	256 212·2 143·2
17 14·1 09·5	77 63·8 43·1	137 113·6 76·6	197 163·3 110·2	257 213·1 143·7
18 14·9 10·1	78 64·7 43·6	138 114·4 77·2	198 164·1 110·7	258 213·9 144·3
19 15·8 10·6	79 65·5 44·2	139 115·2 77·7	199 165·0 111·3	259 214·7 144·8
20 16·6 11·2	80 66·3 44·7	140 116·1 78·3	200 165·8 111·8	260 215·5 145·4
21 17.4 11.7	81 67·2 45·3	141 116.9 78.8	201 166·6 112·4	261 216·4 145·9
22 18.2 12.3	82 68·0 45·9	142 117.7 79.4	202 167·5 113·0	262 217·2 146·5
23 19.1 12.9	83 68·8 46·4	143 118.6 80.0	203 168·3 113·5	263 218·0 147·1
24 19.9 13.4	84 69·6 47·0	144 119.4 80.5	204 169·1 114·1	264 218·9 147·6
25 20.7 14.0	85 70·5 47·5	145 120.2 81.1	205 170·0 114·6	265 219·7 148·2
26 21.6 14.5	86 71·3 48·1	146 121.0 81.6 147 121.9 82.2 148 122.7 82.8 149 123.5 83.3 150 124.4 83.9	206 170·8 115·2	266 220·5 148·7
27 22.4 15.1	87 72·1 48·6		207 171·6 115·8	267 221·4 149·3
28 23.2 15.7	88 73·0 49·2		208 172·4 116·3	268 222·2 149·9
29 24.0 16.2	89 73·8 49·8		209 173·3 116·9	269 223·0 150·4
30 24.9 16.8	90 74·6 50·3		210 174·1 117·4	270 223·8 151·0
31 25·7 17·3	91 75·4 50·9	151 125·2 84·4	211 174.9 118.0	271 224·7 151·5
32 26·5 17·9	92 76·3 51·4	152 126·0 85·0	212 175.8 118.5	272 225·5 152·1
33 27·4 18·5	93 77·1 52·0	153 126·8 85·6	213 176.6 119.1	273 226·3 152·7
34 28·2 19·0	94 77·9 52·6	154 127·7 86·1	214 177.4 119.7	274 227·2 153·2
35 29·0 19·6	95 78·8 53·1	155 128·5 86·7	215 178.2 120.2	275 228·0 153·8
36 29·8 20·1	96 79 6 53 7	156 129·3 87·2	216 179·1 120·8	276 228·8 154·3
37 30·7 20·7	97 80 4 54 2	157 130·2 87·8	217 179·9 121·3	277 229·6 154·9
38 31·5 21·2	98 81 2 54 8	158 131·0 88·4	218 180·7 121·9	278 230·5 155·5
39 32·3 21·8	99 82 1 55 4	159 131·8 88·9	219 181·6 122·5	279 231·3 156·0
40 33·2 22·4	100 82 9 55 9	160 132·6 89·5	220 182·4 123·0	280 232·1 156·6
41 34.0 22.9	101 83.7 56.5	161 133·5 90·0	221 183·2 123·6	281 233·0 157·1
42 34.8 23.5	102 84.6 57.0	162 134·3 90·6	222 184·0 124·1	282 233·8 157·7
43 35.6 24.0	103 85.4 57.6	163 135·1 91·1	223 184·9 124·7	283 234·6 158·3
44 36.5 24.6	104 86.2 58.2	164 136·0 91·7	224 185·7 125·3	284 235·4 158·8
45 37.3 25.2	105 87.0 58.7	165 136·8 92·3	225 186·5 125·8	285 236·3 159·4
46 38·1 25·7	106 87.9 59.3	166 137·6 92·8	226 187.4 126.4	286 237·1 159·9
47 39·0 26·3	107 88.7 59.8	167 138·4 93·4	227 188.2 126.9	287 237·9 160·5
48 39·8 26·8	108 89.5 60.4	168 139·3 93·9	228 189.0 127.5	288 238·8 161·0
49 40·6 27·4	109 90.4 61.0	169 140·1 94·5	229 189.8 128.1	289 239·6 161·6
50 41·5 28·0	110 91.2 61.5	170 140·9 95·1	230 190.7 128.6	290 240·4 162·2
51 42·3 28·5 52 43·1 29·1 53 43·9 29·6 54 44·8 30·2 55 45·6 30·8	111 92.0 62.1 112 92.9 62.6 113 93.7 63.2 114 94.5 63.7 115 95.3 64.3	171 141·8 95·6 172 142·6 96·2 173 143·4 96·7 174 144·3 97·3 175 145·1 97·9	231 191·5 129·2 232 192·3 129·7 233 193·2 130·3 234 194·0 130·9 235 194·8 131·4	291 241·2 162·7 292 242·1 163·3 293 242·9 163·8 294 243·7 164·4 295 244·6 165·0 296 245·4 165·5
56 46.4 31.3 57 47.3 31.9 58 48.1 32.4 59 48.9 33.0 60 49.7 33.6	116 96·2 64·9 117 97·0 65·4 118 97·8 66·0 119 98·7 66·5 120 99·5 67·1	176 145-9 98-4 177 146-7 99-0 178 147-6 99-5 179 148-4 100-1 180 149-2 100-7	236 195.7 132.0 237 196.5 132.5 238 197.3 133.1 239 198.1 133.6 240 199.0 134.2	296 246-2 166-1 298 247-1 166-6 299 247-9 167-2 300 248-7 167-8
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1	00·8	00.6	61	50·0	35·0	121	99·1	69·4	181	148.3	103·8	241	197.4	138·2
2	01·6	01.1	62	50·8	35·6	122	99·9	70·0	182	149.1	104·4	242	198.2	138·8
3	02·5	01.7	63	51·6	36·1	123	100·8	70·5	183	149.9	105·0	243	199.1	139·4
4	03·3	02.3	64	52·4	36·7	124	101·6	71·1	184	150.7	105·5	244	199.9	140·0
5	04·1	02.9	65	53·2	37·3	125	102·4	71·7	185	151.5	106·1	245	200.7	140·5
6	04·9	03·4	66	54·1	37.9	126	103·2	72·3	186	152·4	106.7	246	201.5	141·1
7	05·7	04·0	67	54·9	38.4	127	104·0	72·8	187	153·2	107.3	247	202.3	141·7
8	06·6	04·6	68	55·7	39.0	128	104·9	73·4	188	154·0	107.8	248	203.1	142·2
9	07·4	05·2	69	56·5	39.6	129	105·7	74·0	189	154·8	108.4	249	204.0	142·8
10	08·2	05·7	70	57·3	40.2	130	106·5	74·6	190	155·6	109.0	250	204.8	143·4
11	09·0	06·3	71	58·2	40.7	131	107·3	75·1	191	156·5	109·6	251	205.6	144.0
12	09·8	06·9	72	59·0	41.3	132	108·1	75·7	192	157·3	110·1	252	206.4	144.5
13	10·6	07·5	73	59·8	41.9	133	108·9	76·3	193	158·1	110·7	253	207.2	145.1
14	11·5	08·0	74	60·6	42.4	134	109·8	76·9	194	158·9	111·3	254	208.1	145.7
15	12·3	08·6	75	61·4	43.0	135	110·6	77·4	195	159·7	111·8	255	208.9	146.3
16	13·1	09·2	76	62·3	43.6	136	111.4	78·0	196	160.6	112·4	256	209·7	146·8
17	13·9	09·8	77	63·1	44.2	137	112.2	78·6	197	161.4	113·0	257	210·5	147·4
18	14·7	10·3	78	63·9	44.7	138	113.0	79·2	198	162.2	113·6	258	211·3	148·0
19	15·6	10·9	79	64·7	45.3	139	113.9	79·7	199	163.0	114·1	259	212·2	148·6
20	16·4	11·5	80	65·5	45.9	140	114.7	80·3	200	163.8	114·7	260	213·0	149·1
21 22 23 24 25	17·2 18·0 18·8 19·7 20·5	12.6 13.2 13.8 14.3	81 82 83 84 85	66·4 67·2 68·0 68·8 69·6	46.5 47.0 47.6 48.2 48.8	141 142 143 144 145	115.5 116.3 117.1 118.0 118.8	80·9 81·4 82·0 82·6 83·2	201 202 203 204 205	164.6 165.5 166.3 167.1 167.9	115·3 115·9 116·4 117·0 117·6	261 262 263 264 265	213·8 214·6 215·4 216·3 217·1	149.7 150.3 150.9 151.4 152.0
26	21·3	14.9	86	70·4	49·3	146	119.6	83·7	206	168.7	118·2	266	217·9	152.6
27	22·1	15.5	87	71·3	49·9	147	120.4	84·3	207	169.6	118·7	267	218·7	153.1
28	22·9	16.1	88	72·1	50·5	148	121.2	84·9	208	170.4	119·3	268	219·5	153.7
29	23·8	16.6	89	72·9	51·0	149	122.1	85·5	209	171.2	119·9	269	220·4	154.3
30	24·6	17.2	90	73·7	51·6	150	122.9	86·0	210	172.0	120·5	270	221·2	154.9
31	25·4	17.8	91	74·5	52·2	151	123·7	86.6	211	172·8	121.0	271	222.0	155·4
32	26·2	18.4	92	75·4	52·8	152	124·5	87.2	212	173·7	121.6	272	222.8	156·0
33	27·0	18.9	93	76·2	53·3	153	125·3	87.8	213	174·5	122.2	273	223.6	156·6
34	27·9	19.5	94	77·0	53·9	154	126·1	88.3	214	175·3	122.7	274	224.4	157·2
35	28·7	20.1	95	77·8	54·5	155	127·0	88.9	215	176·1	123.3	275	225.3	157·7
36	29·5	20.6	96	78.6	55·1	156	127.8	89.5	216	176.9	123·9	276	226·1	158·3
37	30·3	21.2	97	79.5	55·6	157	128.6	90.1	217	177.8	124·5	277	226·9	158·9
38	31·1	21.8	98	80.3	56·2	158	129.4	90.6	218	178.6	125·0	278	227·7	159·5
39	31·9	22.4	99	81.1	56·8	159	130.2	91.2	219	179.4	125·6	279	228·5	160·0
40	32·8	22.9	100	81.9	57·4	160	131.1	91.8	220	180.2	126·2	280	229·4	160·6
41 42 43 44 45	33.6 34.4 35.2 36.0 36.9	23·5 24·1 24·7 25·2 25·8	101 102 103 104 105	82·7 83·6 84·4 85·2 86·0	57·9 58·5 59·1 59·7 60·2	161 162 163 164 165	131.9 132.7 133.5 134.3 135.2	92·3 92·9 93·5 94·1 94·6	221 222 223 224 225	181.9 182.7 183.5 184.3	126·8 127·3 127·9 128·5 129·1	281 282 283 284 285	230·2 231·0 231·8 232·6 233·5	161·2 161·7 162·3 162·9 163·5
46 47 48 49 50	37·7 38·5 39·3 40·1 41·0	26·4 27·0 27·5 28·1 28·7	106 107 108 109 110	86.8 87.6 88.5 89.3 90.1	60·8 61·4 61·9 62·5 63·1	166 167 168 169 170	136.0 136.8 137.6 138.4 139.3	95·2 95·8 96·4 96·9 97·5	226 227 228 229 230	185·1 185·9 186·8 187·6 188·4	129.6 130.2 130.8 131.3 131.9	286 287 288 289 290	234·3 235·1 235·9 236·7 237·6	164.6 165.2 165.8 166.3
51	41.8	29·3	111	90·9	63·7	171	140·1	98·1	231	189·2	132·5	291	238·4	166·9
52	42.6	29·8	112	91·7	64·2	172	140·9	98·7	232	190·0	133·1	292	239·2	167·5
53	43.4	30·4	113	92·6	64·8	173	141·7	99·2	233	190·9	133·6	293	240·0	168·1
54	44.2	31·0	114	93·4	65·4	174	142·5	99·8	234	191·7	134·2	294	240·8	168·6
55	45.1	31·5	115	94·2	66·0	175	143·4	100·4	235	192·5	134·8	295	241·6	169·2
57 58 59	45.9 46.7 47.5 48.3 49.1	32·7 32·7 33·3 33·8 34·4	116 117 118 119 120	95·0 95·8 96·7 97·5 98·3	66.5 67.1 67.7 68.3 68.8	176 177 178 179 180	144·2 145·0 145·8 146·6 147·4	101·5 102·1 102·7	236 237 238 239 240	193·3 194·1 195·0 195·8 196·6	135·4 135·9 136·5 137·1 137·7	296 297 298 299 300	242·5 243·3 244·1 244·9 245·7	169·8 170·4 170·9 171·5 172·1
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00·3 00·6	61 49.4 35.9	121 97.9 71.1	181 146·4 106·4	241 195·0 141·7
2 01·6 01·2	62 50.2 36.4	122 98.7 71.7	182 147·2 107·0	242 195·8 142·2
3 02·4 01·8	63 51.0 37.0	123 99.5 72.3	183 148·1 107·6	243 196·6 142·8
4 03·2 02·4	64 51.8 37.6	124 100.3 72.9	184 148·9 108·2	244 197·4 143·4
5 04·0 02·9	65 52.6 38.2	125 101.1 73.5	185 149·7 108·7	245 198·2 144·0
6 04·9 03·5	66 53.4 38.8	126 101·9 74·1	186 150·5 109·3	246 199.0 144.6
7 05·7 04·1	67 54.2 39.4	127 102·7 74·6	187 151·3 109·9	247 199.8 145.2
8 06·5 04·7	68 55.0 40.0	128 103·6 75·2	188 152·1 110·5	248 200.6 145.8
9 07·3 05·3	69 55.8 40.6	129 104·4 75·8	189 152·9 111·1	249 201.4 146.4
10 08·1 05·9	70 56.6 41.1	130 105·2 76·4	190 153·7 111·7	250 202.3 146.9
11 08·9 06·5	71 57.4 41.7	131 106·0 77·0	191 154·5 112·3	251 203·1 147·5
12 09·7 07·1	72 58.2 42.3	132 106·8 77·6	192 155·3 112·9	252 203·9 148·1
13 10·5 07·6	73 59.1 42.9	133 107·6 78·2	193 156·1 113·4	253 204·7 148·7
14 11·3 08·2	74 59.9 43.5	134 108·4 78·8	194 156·9 114·0	254 205·5 149·8
15 12·1 08·8	75 60.7 44.1	135 109·2 79·4	195 157·8 114·6	255 206·3 149·9
16 12.9 09.4	76 61.5 44.7	136 110·0 79·9	196 158·6 115·2	256 207·1 150·5
17 13.8 10.0	77 62.3 45.3	137 110·8 80·5	197 159·4 115·8	257 207·9 151·1
18 14.6 10.6	78 63.1 45.8	138 111·6 81·1	198 160·2 116·4	258 208·7 151·6
19 15.4 11.2	79 63.9 46.4	139 112·5 81·7	199 161·0 117·0	259 209·5 152·2
20 16.2 11.8	80 64.7 47.0	140 113·3 82·3	200 161·8 117·6	260 210·3 152·8
21 17·0 12·3	81 65·5 47·6	141 114·1 82·9	201 162·6 118·1	261 211·2 153·4
22 17·8 12·9	82 66·3 48·2	142 114·9 83·5	202 163·4 118·7	262 212·0 154·0
23 18·6 13·5	83 67·1 48·8	143 115·7 84·1	203 164·2 119·3	263 212·8 154·6
24 19·4 14·1	84 68·0 49·4	144 116·5 84·6	204 165·0 119·9	264 213·6 155·2
25 20·2 14·7	85 68·8 50·0	145 117·3 85·2	205 165·8 120·5	265 214·4 155·8
26 21 0 15 3	86 69·6 50·5	146 118·1 85·8	206 166·7 121·1	266 215·2 156·4
27 21 8 15 9	87 70·4 51·1	147 118·9 86·4	207 167·5 121·7	267 216·0 156·9
28 22 7 16 5	88 71·2 51·7	148 119·7 87·0	208 168·3 122·3	268 216·8 157·5
29 23 5 17 0	89 72·0 52·3	149 120·5 87·6	209 169·1 122·8	269 217·6 158·1
30 24 3 17 6	90 72·8 52·9	150 121·4 88·2	210 169·9 123·4	270 218·4 158·7
31 25·1 18·2	91 73.6 53.5	151 122·2 88·8	211 170·7 124·0	271 219·2 159·3
32 25·9 18·8	92 74.4 54.1	152 123·0 89·3	212 171·5 124·6	272 220·1 159·9
33 26·7 19·4	93 75.2 54.7	153 123·8 89·9	213 172·3 125·2	273 220·9 160·5
34 27·5 20·0	94 76.0 55.3	154 124·6 90·5	214 173·1 125·8	274 221·7 161·1
35 28·3 20·6	95 76.9 55.8	155 125·4 91·1	215 173·9 126·4	275 222·5 161·6
36 29·1 21·2	96 77.7 56.4	156 126·2 91·7	216 174·7 127·0	276 223·3 162·2
37 29·9 21·7	97 78.5 57.0	157 127·0 92·3	217 175·6 127·5	277 224·1 162·8
38 30·7 22·3	98 79.3 57.6	158 127·8 92·9	218 176·4 128·1	278 224·9 163·4
39 31·6 22·9	99 80.1 58.2	159 128·6 93·5	219 177·2 128·7	279 225·7 164·0
40 32·4 23·5	100 80.9 58.8	160 129·4 94·0	220 178·0 129·3	280 226·5 164·6
41 83·2 24·1	101 81·7 59·4	161 130·3 94·6	221 178·8 129·9	281 227·3 165·2
42 84·0 24·7	102 82·5 60·0	162 131·1 95·2	222 179·6 130·5	282 228·1 165·8
43 84·8 25·8	103 83·3 60·5	163 131·9 95·8	223 180·4 131·1	283 229·0 166·3
44 85·6 25·9	104 84·1 61·1	164 132·7 96·4	224 181·2 131·7	284 229·8 166·9
45 36·4 26·5	105 84·9 61·7	165 133·5 97·0	225 182·0 132·3	285 230·6 167·5
46 37·2 27·0	106 85·8 62·3	166 134·3 97·6	226 182·8 132·8	286 231.4 168.1
47 38·0 27·6	107 86·6 62·9	167 135·1 98·2	227 183·6 133·4	287 232.2 168.7
48 38·8 28·2	108 87·4 63·5	168 135·9 98·7	228 184·5 134·0	288 233.0 169.3
49 39·6 28·8	109 88·2 64·1	169 136·7 99·3	229 185·3 134·6	289 233.8 169.9
50 40·5 29·4	110 89·0 64·7	170 137·5 99·9	230 186·1 135·2	290 234.6 170.5
51 41·3 30·0	111 89·8 65·2	171 138·3 100·5	231 186·9 135·8	291 235:4 171:0
52 42·1 30·6	112 90·6 65·8	172 139·2 101·1	232 187·7 136·4	292 236:2 171:6
53 42·9 31·2	113 91·4 66·4	173 140·0 101·7	233 188·5 137·0	293 237:0 172:2
54 43·7 31·7	114 92·2 67·0	174 140·8 102·3	234 189·3 137·5	294 237:9 172:8
55 44·5 32·3	115 93·0 67·6	175 141·6 102·9	235 190·1 138·1	295 238:7 173:4
56 45·3 32·9	116 93·8 68·2	176 142.4 103.5	236 190 9 138 7	296 239·5 174·0
57 46·1 33·5	117 94·7 68·8	177 143.2 104.0	237 191 7 139 3	297 240·3 174·6
58 46·9 34·1	118 95·5 69·4	178 144.0 104.6	238 192 5 139 9	298 241·1 175·2
59 47·7 34·7	119 96·3 69·9	179 144.8 105.2	239 193 4 140 5	299 241·9 175·7
60 48·5 35·3	120 97·1 70·5	180 145.6 105.8	240 194 2 141 1	300 242·7 176·3
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Dis	t. Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1 2 3 4 5	01.6 02.4 03.2	00.6 01.2 01.8 02.4 03.0	61 62 63 64 65	48.7 49.5 50.3 51.1 51.9	36·7 37·3 37·9 38·5 39·1	121 122 123 124 125	96.6 97.4 98.2 99.0 99.8	72·8 73·4 74·0 74·6 75·2	181 182 183 184 185	144.6 145.4 146.2 146.9 147.7	108·9 109·5 110·1 110·7 111·3	241 242 243 244 245	192·5 193·3 194·1 194·9 195·7	145.0 145.6 146.2 146.8 147.4
10	05.6 06.4 07.2	03.6 04.2 04.8 05.4 06.0	66 67 68 69 70	52·7 53·5 54·3 55·1 55·9	39·7 40·3 40·9 41·5 42·1	126 127 128 129 130	100.6 101.4 102.2 103.0 103.8	75·8 76·4 77·0 77·6 78·2	186 187 188 189 190	148.5 149.3 150.1 150.9 151.7	111·9 112·5 113·1 113·7 114·3	246 247 248 249 250	196.5 197.3 198.1 198.9 199.7	148.0 148.6 149.3 149.9 150.5
13 15 13 14 14	09·6 10·4 11·2	06.6 07.2 07.8 08.4 09.0	71 72 73 74 75	56.7 57.5 58.3 59.1 59.9	42.7 43.3 43.9 44.5 45.1	131 132 133 134 135	104.6 105.4 106.2 107.0 107.8	78·8 79·4 80·0 80·6 81·2	191 192 193 194 195	152.5 153.3 154.1 154.9 155.7	114.9 115.5 116.2 116.8 117.4	251 252 253 254 255	200·5 201·3 202·1 202·9 203·7	151·1 151·7 152·3 152·9 153·5
16 17 18 19 20	13.6 14.4 15.2	09.6 10.2 10.8 11.4 12.0	76 77 78 79 80	60.7 61.5 62.3 63.1 63.9	45.7 46.3 46.9 47.5 48.1	136 137 138 139 140	108·6 109·4 110·2 111·0 111·8	81.8 82.4 83.1 83.7 84.3	196 197 198 199 200	156·5 157·3 158·1 158·9 159·7	118.0 118.6 119.2 119.8 120.4	256 257 258 259 260	204·5 205·2 206·0 206·8 207·6	154·1 154·7 155·3 155·9 156·5
21 22 24 24 24	17.6 18.4 19.2 20.0	12.6 13.2 13.8 14.4 15.0	81 82 83 84 85	64·7 65·5 66·3 67·1 67·9	48.7 49.3 50.0 50.6 51.2	141 142 143 144 145	112.6 113.4 114.2 115.0 115.8	84.9 85.5 86.1 86.7 87.3	201 202 203 204 205	160·5 161·3 162·1 162·9 163·7	121.6 122.2 122.8 123.4	261 262 263 264 265	208·4 209·2 210·0 210·8 211·6	157·1 157·7 158·3 158·9 159·5
20 20 20 20 20 30	21.6 3 22.4 9 23.2 9 24.0	15.6 16.2 16.9 17.5 18.1	86 87 88 89 90	68·7 69·5 70·3 71·1 71·9	51.8 52.4 53.0 53.6 54.2	146 147 148 149 150	116·6 117·4 118·2 119·0 119·8	87.9 88.5 89.1 89.7 90.3	206 207 208 209 210	164.5 165.3 166.1 166.9 167.7	124.0 124.6 125.2 125.8 126.4	266 267 268 269 270	212·4 213·2 214·0 214·8 215·6	160·1 160·7 161·3 161·9 162·5
3: 3: 3: 3: 3:	2 25.6 3 26.4 4 27.2 5 28.0	18.7 19.3 19.9 20.5 21.1	91 92 93 94 95	72·7 73·5 74·3 75·1 75·9	54.8 55.4 56.0 56.6 57.2	151 152 153 154 155	120.6 121.4 122.2 123.0 123.8	90.9 91.5 92.1 92.7 93.3	211 212 213 214 215	168·5 169·3 170·1 170·9 171·7	127.0 127.6 128.2 128.8 129.4	271 272 273 274 275	216·4 217·2 218·0 218·8 219·6	163·1 163·7 164·3 164·9 165·5
30 30 30 30 40	29·5 30·3 31·1 31·9	21·7 22·3 22·9 23·5 24·1	96 97 98 99 100	76·7 77·5 78·3 79·1 79·9	57.8 58.4 59.0 59.6 60.2	156 157 158 159 160	124.6 125.4 126.2 127.0 127.8	93.9 94.5 95.1 95.7 96.3	216 217 218 219 220	172.5 173.3 174.1 174.9 175.7	130·0 130·6 131·2 131·8 132·4	276 277 278 279 280	220·4 221·2 222·0 222·8 223·6	166·1 166·7 167·3 167·9 168·5
4: 4: 4: 4: 4:	33.5 34.3 35.1 35.9	24.7 25.3 25.9 26.5 27.1	101 102 103 104 105	80·7 81·5 82·3 83·1 83·9	60.8 61.4 62.0 62.6 63.2	161 162 163 164 165	128.6 129.4 130.2 131.0 131.8	96.9 97.5 98.1 98.7 99.3	221 222 223 224 225	176.5 177.3 178.1 178.9 179.7	133.6 133.6 134.2 134.8 135.4	281 282 283 284 285	224·4 225·2 226·0 226·8 227·6	169·1 169·7 170·3 170·9 171·5
41 41 41 50	37·5 38·3 9 39·1 9 39·9	27·7 28·3 28·9 29·5 30·1	106 107 108 109 110	84.7 85.5 86.3 87.1 87.8	63·8 64·4 65·0 65·6 66·2	166 167 168 169 170	132.6 133.4 134.2 135.0 135.8	99·9 100·5 101·1 101·7 102·3	226 227 228 229 230	180·5 181·3 182·1 182·9 183·7	136.6 137.2 137.8 138.4	286 287 288 289 290	228·4 229·2 230·0 230·8 231·6	172·1 172·7 173·3 173·9 174·5
5: 5: 5: 5:	41.5 42.3 43.1 43.9	30·7 31·3 31·9 32·5 33·1	111 112 113 114 115	88.6 89.4 90.2 91.0 91.8	66.8 67.4 68.0 68.6 69.2	171 172 173 174 175	136·6 137·4 138·2 139·0 139·8	102.9 103.5 104.1 104.7 105.3	231 232 233 234 235	184.5 185.3 186.1 186.9 187.7	139.6 139.6 140.2 140.8 141.4	291 292 293 294 295	232·4 233·2 234·0 234·8 235·6	175·1 175·7 176·3 176·9 177·5
50 50 50 50	45.5 46.3 47.1	33·7 34·3 34·9 35·5 36·1	116 117 118 119 120	92·6 93·4 94·2 95·0 95·8	69·8 70·4 71·0 71·6 72·2	176 177 178 179 180	140.6 141.4 142.2 143.0 143.8	105·9 106·5 107·1 107·7 108·3	236 237 238 239 240	188.5 189.3 190.1 190.9 191.7	142.0 142.6 143.2 143.8 144.4	296 297 298 299 300	236·4 237·2 238·0 238·8 239·6	178·1 178·7 179·3 179·9 180·5
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1	8.00	9.00	61	48.1	37.6	121	95.3	74.5	181	142.6	111.4	241	189.9	148.4
2 3	01.6 02.4	01·2 01·8	62 63	48·9 49·6	38·2 38·8	$\frac{122}{123}$	96·1 96·9	75·1 75·7	182 183	143·4 144·2	$112.1 \\ 112.7$	242 243	190·7 191·5	149·0 149·6
4	03.5	02.5	64	50.4	39.4	124	97.7	76.3	184	145.0	113.3	244	192.3	150.5
5	03.9	03.1	65	51.2	40.0	125	98.5	77.0	185	145.8	113.9	245	193.1	150.8
6	04·7 05·5	03·7 04·3	66 67	52·8	40.6 41.2	$\frac{126}{127}$	99·3 100·1	77.6 78.2	186 187	146·6 147·4	114·5 115·1	246 247	193·9 194·6	151·5 152·1
8	06.3	04.9	68	53.6	41.9	128	100.9	78.8	188	148.1	115.7	248	195.4	152.7
9 10	07·1 07·9	05·5 06·2	69 70	54·4 55·2	42.5 43.1	129 130	101·7 102·4	79·4 80·0	189 190	148·9 149·7	116·4 117·0	249 250	196·2 197·0	153·3 153 · 9
11	08.7	06.8	71	55.9	43.7	131	103.2	80.7	191	150.2	117.6	251	197.8	154.5
12	09.5	07.4	72	56.7	44.3	132	104.0	81.3	192	151.3	118.2	252	198.6	155.1
13	10.2	08.6	73 74	57.5 58.3	44·9 45·6	$\frac{133}{134}$	104·8 105·6	81.9 82.5	193 194	152·1 152·9	118·8 119·4	253 254	199·4 200·2	155·8 156·4
14 15	11·8	09.2	75	59.1	46.2	135	106.4	83.1	195	153.7	120.1	255	200.9	157.0
16	12.6	09.9	76	59.9	46.8	136	107.2	83.7	196	154.5	120.7	256	201.7	157.6
17 18	13·4 14·2	10·5 11·1	77 78	60.7 61.5	47·4 48·0	137 138	108·0 108·7	84·3 85·0	197 198	155·2 156·0	121·3 121·9	257 258	202·5 203·3	158·2 158·8
18	15.0	11.7	79	62.3	48.6	139	109.5	85.6	198	156.8	122.5	259	204.1	159.5
20	15.8	12.3	80	63.0	49.3	140	110.3	86.2	200	157.6	123.1	260	204.9	160.1
21 22	16.5 17.3	12·9 13·5	81 82	63·8 64·6	49·9 50·5	141 142	111·1 111·9	86·8 87·4	201	158·4 159·2	123·7 124·4	261 262	205·7 206·5	160·7 161·3
23	18.1	14.2	83	65.4	51.1	143	112.7	88.0	203	160.0	125.0	263	207.2	161.9
24 25	18.9	14.8	84 85	66·2 67·0	51·7 52·3	144 145	113·5 114·3	88.7 89.3	204 205	160.8 161.5	125.6 126.2	264 265	208·0 208·8	162·5 163·2
26	19·7 20·5	15.4	86	67.8	52.9	146	115.0	89.9	206	162.3	126.8	266	209.6	163.8
27	21.3	16·6	87	68.6	53.6	147	115.8	90.5	207	163.1	127.4	267	210.4	164.4
28	22.1	17.2	88	$69.3 \\ 70.1$	54.2	148 149	116·6 117·4	91·1 91·7	208 209	163.9 164.7	128·1 128·7	268 269	211·2 212·0	165.0 165.6
29 30	22.9	17.9 18.5	89 90	70.9	54·8 55·4	150	118.2	92.3	210	165.5	129.3	270	212.8	166.2
31	24.4	19.1	91	71.7	56.0	151	119.0	93.0	211	166.3	129.9	271	213.6	166.8
32	25.2	19.7	92 93	72·5 73·3	56·6 57·3	152 153	119·8 120·6	93.6 94.2	212	167·1 167·8	130·5 131·1	272 273	214·3 215·1	167·5 168·1
33	26·8	20·3 20·9	94	74.1	57.9	154	121.4	94.8	213	168.6	131.8	274	215.9	168.7
35	27.6	21.5	95	74.9	58.5	155	122.1	95.4	215	169.4	132.4	275	216.7	169.3
36	28·4 29·2	22·2 22·8	96 97	75·6 76·4	59·1 59·7	156 157	122·9 123·7	96·0 96·7	216 217	170·2 171·0	133.0 133.6	276 277	217·5 218·3	169·9 170·5
37	29.9	23.4	98	77.2	60.3	158	124.5	97.3	218	171.8	134.2	278	219.1	171.2
39	30.7	24.0	100	78·0 78·8	61.6	159 160	125·3 126·1	97·9 98·5	219 220	172.6 173.4	134·8 135·4	279	219·9 220·6	171.8 172.4
40	31.5	24·6 25·2	101	79.6	62.2	161	126.9	99.1	221	174.2	136.1	281	221.4	173.0
41 42	32·3 33·1	25.9	102	80.4	62.8	162	127.7	99.7	222	174.9	136.7	282	222.2	173.6
43	33.9	26.5	103 104	81·2 82·0	63·4 64·0	163 164	128·4 129·2	100·4 101·0	223 224	175·7 176·5	137·3 137·9	283 284	223.8 223.8	174·2 174·8
44	34·7 35·5	$\begin{array}{c} 27.1 \\ 27.7 \end{array}$	104	82.7	64.6	165	130.0	101.6	225	177.3	138.5	285	224.6	175.5
46	36.2	28.3	106	83.5	65.3	166	130.8	102.2	226	178.1	139.1	286	225.4	176.1
47	37.0	28.9	107	84·3 85·1	65·9	167 168	131.6 132.4	102·8 103·4	227	178·9 179·7	139·8 140·4	287 288	226·2 226·9	176·7 177·3
48	37·8 38·6		108	85.9	67·1 67·7	169	133.2	104.0	229	180.5	141.0	289	227.7	177.9
50	39.4	30.8	110	86.7		170	134.0	104.7	230	181.2	141.6	290	228.5	178.5
51 52	40.2		111 112	87·5 88·3	68.3	171 172	134·7 135·5	105·3 105·9	231 232	182·0 182·8	142·2 142·8	291 292	229·3 230·1	179·2 179·8
53	41.8	32.6	113	89.0	69.6	173	136.3	106.5	233	183.6	143.4	293	230.9	180.4
54	42.6		114 115	89.8	70.2	174 175	137·1 137·9	107·1 107·7	234	184.4 185.2	144·1 144·7	294 295	231·7 232·5	181.6
55	44.1		116	91.4		176	138.7	108.4	236	186.0	145.3	296	233.3	182.2
56	44.9	35.1	117	92.2	72.0	177	139.5	109.0	237	186.8	145.9	297	234.0	182.9
58			118 119	93.8		178 179	140·3 141·1	109·6 110·2	238 239	187·5 188·3	146·5 147·1	298 299	234·8 235·6	183·5 184·1
59 60			120	94.6		180	141.8	110.8	240	189.1	147.8	300	236.4	184.7
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12 09-3 07-6	7 8 9	05·4 06·2 07·0	04·4 05·0 05·7	67 68 69	52·1 52·8 53·6	42.2 42.8 43.4	127 128 129	98.7 99.5 100.3	79·9 80·6 81·2	187 188 189	145·3 146·1 146·9	117·7 118·3 118·9	247 248 249	192.0 192.7 193.5	155·4 156·1 156·7
17 13-2 10-7 77 59-8 48-5 137 106-5 86-2 197 153-1 124-0 258 200-5 162-4 19 14-8 13-0 79 61-4 49-7 139 108-0 87-5 199 154-7 125-2 259 201-3 163-0 201 15-5 12-6 80 62-2 50-3 140 108-8 88-1 200 15-6 125-9 260 202-1 163-6 216-5 12-6 80 62-2 50-3 140 108-8 88-7 200 15-6 12-5 25-9 201-3 163-0 21-16-3 13-2 81 62-9 61-0 141 109-6 88-7 201 15-6 21-5 261 202-8 164-3 22-17-1 13-8 82 63-7 51-6 142 110-4 89-4 202 15-7 12-7 262 203-6 164-9 23 17-9 14-5 83 64-5 52-2 143 111-1 90-6 204 15-7 12-7 262 203-6 164-9 23 17-9 14-5 83 64-5 52-9 144 111-9 90-6 204 15-8 12-7 262 203-6 164-9 25-19-4 15-7 85 66-1 53-5 144 111-9 90-6 204 15-8 12-9 265 206-9 166-8 26 202-9 164-8 86-8 84-1 146 113-5 91-9 206 160-1 12-9 266 206-7 167-4 27 21-0 17-0 87 67-6 64-8 147 114-2 92-5 207 160-9 130-3 267 207-5 168-0 29 22-5 18-3 89 69-2 56-0 149 115-8 93-8 209 102-4 131-5 269 209-1 169-8 209-2 22-5 13-8 13-5 209-2 23-5 23-5 20-8 33 72-3 58-5 53 118-9 96-3 21 14-6 132-3 27-2 27-0 209-8 169-9 23-14 166-3 134-7 27-4 21-9 17-2 27-4	12 13 14	10·1 10·9	07·6 08·2 08·8	72 73 74	56.0 56.7 57.5	45·3 45·9 46·6	132 133 134	102.6 103.4 104.1	83·1 83·7 84·3	192 193 194	149·2 150·0 150·8	120·8 121·5 122·1	252 253 254	195.8 196.6 197.4	158 ·6 159·2 159·8
\$\frac{1}{22}\$ \frac{17}{1}\$ \frac{13}{18}\$ \frac{82}{82}\$ \frac{63}{63}\$ \frac{16}{51}\$ \frac{1}{64}\$ \frac{110}{64}\$ \frac{89}{894}\$ \frac{202}{203}\$ \frac{157}{157}\$ \frac{127}{12}\$ \frac{262}{263}\$ \frac{204}{204}\$ \frac{165}{165}\$ \frac{24}{24}\$ \frac{157}{157}\$ \frac{15}{84}\$ \frac{65}{652}\$ \frac{529}{22}\$ \frac{144}{1111}\$ \frac{111}{900}\$ \frac{203}{204}\$ \frac{157}{1655}\$ \frac{127}{12}\$ \frac{263}{264}\$ \frac{204}{205}\$ \frac{204}{205}\$ \frac{157}{266}\$ \frac{157}{	17 18 19	13·2 14·0 14·8	10·7 11·3 12·0	77 78 79	59·8 60·6 61·4	48.5 49.1 49.7	137 138 139	106.5 107.2 108.0	86·2 86·8 87 5	197 198 199	153·1 153·9 154·7	124.0 124.6 125.2	257 258 259	199.7 200.5 201.3	161.7 162.4 163.0
27 21 \(\) 0 17 \(\) 0 87 \(67^6 \) 54 \(8 \) 147 114 \(2 \) 92 \(5 \) 207 \(160^9 \) 130 \(3 \) 267 \(207^5 \) 168 \(9 \) 29 \(21^5 \) 183 \(88 \) 45 \(55^4 \) 418 \(115^6 \) 93 \(1 \) 208 \(161^6 \) 130 \(3 \) 268 \(208^3 \) 168 \(7 \) 30 \(22^3 \) 189 \(9 \) 06 \(69^9 \) 566 \(6 \) 150 \(116^6 \) 94 \(4 \) 210 \(163^2 \) 132 \(2 \) 270 \(209^8 \) 169 \(7 \) 31 \(24^1 \) 19 \(5 \) 92 \(7 \) 157 \(7 \) 73 \(151 \) 117 \(3 \) 95 \(0 \) 211 \(164^4 \) 132 \(3 \) 271 \(200^8 \) 169 \(3 \) 224 \(9 \) 201 \(9 \) 92 \(7 \) 15 \(7 \) 73 \(151 \) 118 \(1 \) 95 \(7 \) 212 \(164^8 \) 133 \(4 \) 272 \(211^4 \) 171 \(23^3 \) 256 \(20^8 \) 83 \(72^3 \) 585 \(5 \) 153 \(118^9 \) 96 \(9 \) 214 \(164^8 \) 133 \(4 \) 273 \(212^2 \) 171 \(4 \) 32 \(5 \) 272 \(22^0 \) 95 \(73^8 \) 598 \(155 \) 120 \(5 \) 97 \(5 \) 97 \(5 \) 215 \(167^1 \) 135 \(3 \) 275 \(213^7 \) 173 \(135^3 \) 275 \(220^7 \) 95 \(73^8 \) 598 \(155 \) 120 \(5 \) 97 \(5 \) 97 \(5 \) 215 \(167^1 \) 135 \(3 \) 275 \(213^7 \) 173 \(138^3 \) 295 \(227^7 \) 220 \(95^7 \) 738 \(59^8 \) 155 \(120^5 \) 97 \(5 \) 52 \(215 \) 167 \(135^3 \) 375 \(213^7 \) 173 \(173^1 \) 36 \(22^0 \) 227 \(97^6 \) 66 \(4 \) 156 \(12^1 \) 29 \(98^8 \) 217 \(168^4 \) 136 \(6 \) 277 \(215^3 \) 174 \(33^3 \) 295 \(223^3 \) 98 \(76^2 \) 617 \(158^3 \) 122 \(99^8 \) 38 \(217^1 \) 137 \(136^3 \) 136 \(277 \) 216 \(177^7 \) 629 \(160^1 \) 177 \(62^9 \) 160 \(124^3 \) 1007 \(220^1 \) 170 \(138^5 \) 280 \(217^6 \) 176 \(24^1 \) 31 \(27^9 \) 216 \(177^7 \) 629 \(160^1 \) 144 \(3 \) 1007 \(220^1 \) 1710 \(138^5 \) 280 \(217^6 \) 176 \(24^1 \) 334 \(27^1 \) 103 \(80^6 \) 643 \(161^1 \) 125 \(100^3 \) 129 \(170^3 \) 137 \(140^3 \) 140 \(23^3 \) 221 \(217^6 \) 176 \(24^1 \) 334 \(27^1 \) 103 \(80^6 \) 643 \(161^1 \) 125 \(100^3 \) 122 \(177^6 \) 138 \(177^6 \) 140 \(13^3 \) 280 \(217^6 \) 176 \(176^2 \) 231 \(177^6 \) 138 \(177^7 \) 143 \(13^6 \) 100 \(22 23 24	17·1 17·9 18·7	13·8 14·5 15·1	82 83 84	63.7 64.5 65.3	51.6 52.2 52.9	142 143 144	110·4 111·1 111·9	89.4 90.0 90.6	202 203 204	157.0 157.8 158.5	127·1 127·8 128·4	262 263 264	203.6 204.4 205.2	164·9 165·5 166·1
32 24-9 20-1 92 71-5 57-9 152 118-1 95-7 212 164-8 133-4 272 211-4 171-2 34 26-4 21-4 94 73-1 59-2 154 119-7 96-9 214 166-3 134-7 273 212-2 171-8 35 27-2 22-0 95 73-8 59-8 155 120-5 97-5 215 167-1 135-3 275 213-7 173-1 36 28-0 22-7 96 74-6 60-4 156 121-2 98-2 216 167-9 135-9 275 213-7 173-1 37 28-8 23-3 97 75-4 61-0 157 122-0 98-8 217 168-6 136-6 277 215-3 174-3 38 29-5 23-9 98 76-2 61-7 158 122-8 99-4 218 169-4 137-2 278 216-0 175-0 39 30-3 24-5 99 76-9 62-3 159 123-6 100-1 219 170-2 137-8 279 216-8 175-6 40 31-1 25-2 100 77-7 62-9 160 124-3 100-7 220 171-0 138-5 280 217-6 176-2 41 31-9 25-8 101 78-5 63-6 616 125-1 101-3 221 171-7 139-1 281 218-4 176-8 42 33-6 26-4 102 79-3 64-2 162 125-9 101-9 222 172-5 139-7 283 219-2 177-6 43 33-4 27-1 103 80-0 64-8 163 126-7 102-6 223 173-3 140-3 233 219-9 178-1 44 34-1 27-7 104 80-8 65-4 164 127-5 103-2 224 174-1 141-0 234 220-7 178-7 45 35-0 28-3 105 81-6 66-1 165 128-2 103-8 225 174-9 141-6 225 221-5 179-4 46 35-7 28-9 106 83-4 66-7 166 129-0 104-5 223 175-6 142-9 286 223-8 181-2 47 38-5 289 31-5 113 86-9 87-6 163 13-1 106-4 229 178-0 143 8-2 103-8 225 174-9 141-6 225 221-5 179-4 47 38-5 28-9 107 83-2 67-3 167 129-8 105-1 227 176-4 142-9 287 223-0 180-6 48 37-3 30-2 108 83-9 68-0 168 180-6 105-7 228 177-2 143-5 228 223-8 181-9 240-4 32-7 112 87-0 70-5 172 138-7 108-2 232 180-0 240-4 32-7 112 87-0 70-5 172 138-7 108-2 232 180-3 140-4 232 223-9 180-0 240-4 32-7 112 87-0 70-5 172 138-7 108-2 232 180-3 140-4 232 226-9 183-8 133 81-2 33-4 113 87-8 71-1 173 134-4 108-9 233 181-1 146-6 239 225-4 182-5 157 44-3 35-9 117 90-9 73-6 177 138-7 111-4 235 123-1 149-1 295 223-9 186-6 427 34-6 114 88-6 71-7 74 13-5 2 109-5 234 181-9 14-7 235 229-3 186-6 54 42-7 34-6 114 89-6 71-7 74 13-8 110-8 238 185-7 164-9 298 223-6 186-9 54 42-9 37-1 119 92-5 74-	27 28 29	21.8 22.5 23.3	17.6 18.3	87 88 89	67.6 68.4 69.2 69.9	54.8 55.4 56.0 56.6	147 148 149 150	114.2 115.0 115.8 116.6	92.5 93.1 93.8 94.4	207 208 209 210	160.9 161.6 162.4 163.2	130·3 130·9 131·5 132·2	267 268 269 270	207.5 208.3 209.1 209.8	168.0 168.7 169.3 169.9
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	32 33 34	24·9 25·6 26·4	20·1 20·8 21·4	92 93 94	71.5 72.3 73.1	57·9 58·5 59·2	152 153 154	118·1 118·9 119·7	95·7 96·3 96·9 97·5	212 213 214	164.8 165.5 166.3 167.1	133·4 134·0 134·7	272 273 274	211·4 212·2 212·9	171.2 171.8 172.4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37 38 39	28·8 29·5 30·3	23·3 23·9 24·5	97 98 99	75·4 76·2 76·9	61·0 61·7 62·3	157 158 159 160	122.8 123.6 124.3	98.8 99.4 100.1 100.7	217 218 219 220	168.6 169.4 170.2 171.0	136.6 137.2 137.8 138.5	277 278 279 280	215·3 216·0 216·8 217·6	174·3 175·0 175·6
47 36:5 29:6 107 83:2 67:5 167 129:8 105:1 227 176:4 142:9 287 223:0 180:6 180:6 180:7 228 177:2 143:2 288 223:8 181:2 180:6 167:7 228 177:2 143:2 288 223:8 181:2 288 223:8 181:2 288 223:8 181:2 288 223:8 181:2 180:6 429 177:0 182:1 107:6 229 178:7 144:7 289 224:6 181:9 50:3 180:6 180:9 171:1 182:9 107:6 231 179:5 145:4 290:22:6 183:1 52:4 40:4 32.7 112:87:0 70:5 172:133:7 108:2 232:180:3 146:0 293:22:6:9 183:8 53:4 412:8 33:4 113:87:8 71:7 174:185:2 109:5 234:181:9 147:3 294:22:8:7 184:4 148:9 147:3 294:22:8:7 184:4 148:	42 43 44 45	32·6 33·4 34·1 35·0	26·4 27·1 27·7 28·3	102 103 104 105	79·3 80·0 80·8 81·6	64·2 64·8 65·4 66·1	162 163 164 165	125.9 126.7 127.5 128.2	101.9 102.6 103.2 103.8	222 223 224 225	172.5 173.3 174.1 174.9	139·7 140·3 141·0 141·6	282 283 284 285	219·2 219·9 220·7 221·5	177 5 178 1 178 7 179 4
52 40'4 32'7 112 87'0 70-5 172 133'7 108-2 232 180'3 146'0 292 226'9 183'8 53 41'2 33'4 113 87'8 71'1 173 134'4 108-9 233 181'1 146'0 293 227'7 184'4 54 42'0 34'0 114 88'6 71'7 174 135'2 109'5 234 181'9 147'3 294 228'5 185'0 56 42'7 34'6 115 89'4 72'4 176 136'6 110'8 236 183'4 148'5 296 220'0 186'3 56 43'5 35'9 117 90'9 73'6 177 137'6 111'4 237 184'2 149'1 297 230'8 186'9 58 45'1 36'6 118 91'7 74'3 178 183'8 112'0 238 185'7 149'1 297	47 48 49 50	36·5 37·3 38·1 38·9	29.6 30.2 30.8 31.5	107 108 109 110	83·2 83·9 84·7 85·5	67·3 68·0 68·6 69·2	167 168 169 170	129·8 130·6 131·3 132·1	105·1 105·7 106·4 107·0	227 228 229 230	176·4 177·2 178·0 178·7	142.9 143.5 144.1 144.7	287 288 289 290	223·0 223·8 224·6 225·4	180.6 181.2 181.9 182.5
57 44·3 35·9 117 90·9 73·6 177 137·6 111·4 237 184·2 149·1 297 230·8 186·9 58 45·1 36·5 118 91·7 74·3 178 138·3 112·0 238 185·0 149·8 298 231·6 187·5 59 45·9 37·1 119 92·5 74·9 179 139·1 112·6 239 185·7 150·4 299 232·4 188·2	52 53 54 55	40·4 41·2 42·0 42·7	32·7 33·4 34·0 34·6	112 113 114 115	87·8 88·6 89·4	70·5 71·1 71·7 72·4	172 173 174 175	133·7 134·4 135·2 136·0	108·2 108·9 109·5 110·1	232 233 234 235	180·3 181·1 181·9 182·6	146.0 146.6 147.3 147.9	292 293 294 295	226·9 227·7 228·5 229·3	183·8 184·4 185·0 185·6
	57 58 59	44·3 45·1 45·9	35·9 36·5 37·1	117 118 119	90·9 91·7 92·5	73·6 74·3 74·9	177 178 179	137.6 138.3 139.1	111·4 112·0 112·6	237 238 239	184·2 185·0 185·7	149·1 149·8 150·4	297 298 299	230·8 231·6 232·4	186·9 187·5 188·2
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·8	00.6	61	46.7	39·2	121	92.7	77.8	181	138.7	116·3	241	184.6	154.9
2	01·5	01.3	62	47.5	39·9	122	93.5	78.4	182	139.4	117·0	242	185.4	155.6
3	02·3	01.9	63	48.3	40·5	123	94.2	79.1	183	140.2	117·6	243	186.1	156.2
4	03·1	02.6	64	49.0	41·1	124	95.0	79.7	184	141.0	118·3	244	186.9	156.8
5	03·8	03.2	65	49.8	41·8	125	95.8	80.3	185	141.7	118·9	245	187.7	157.5
6 7 8 9 10	04·6 05·4 06·1 06·9 07·7	03·9 04·5 05·1 05·8 06·4	66 67 68 69 70	50.6 51.3 52.1 52.9 53.6	42·4 43·1 43·7 44·4 45·0	126 127 128 129 130	96·5 97·3 98·1 98·8 99·6	81.6 82.3 82.9 83.6	186 187 188 189 190	142.5 143.3 144.0 144.8 145.5	119.6 120.2 120.8 121.5 122.1	246 247 248 249 250	188·4 189·2 190·0 190·7 191·5	158·1 158·8 159·4 160·1 160·7
11 12 13 14 15	08·4 09·2 10·0 10·7 11·5	07·1 07·7 08·4 09·0 09·6	71 72 73 74 75	54·4 55·2 55·9 56·7 57·5	45.6 46.3 46.9 47.6 48.2	131 132 133 134 135	100·4 101·1 101·9 102·6 103·4	84·2 84·8 85·5 86·1 86·8	191 192 193 194 195	146·3 147·1 147·8 148·6 149·4	122·8 123·4 124·1 124·7 125·3	251 252 253 254 255	192·3 193·0 193·8 194·6 195·3	161.3 162.6 163.3 163.9
16	12:3	10·3	76	58·2	48.9	136	104·2	87·4	196	150·1	126.0	256	196·1	164.6
17	13:0	10·9	77	59·0	49.5	137	104·9	88·1	197	150·9	126.6	257	196·9	165.2
18	13:8	11·6	78	59·8	50.1	138	105·7	88·7	198	151·7	127.3	258	197·6	165.8
19	14:6	12·2	79	60·5	50.8	139	106·5	89·3	199	152·4	127.9	259	198·4	166.5
20	15:3	12·9	80	61·3	51.4	140	107·2	90·0	200	153·2	128.6	260	199·2	167.1
21 22 23 24 25	16·1 16·9 17·6 18·4 19·2	13.5 14.1 14.8 15.4 16.1	81 82 83 84 85	62.8 63.6 64.3 65.1	52°1 52°7 53°4 54°0 54°6	141 142 143 144 145	108·0 108·8 109·5 110·3 111·1	90.6 91.3 91.9 92.6 93.2	201 202 203 204 205	154·0 154·7 155·5 156·3 157·0	129.2 129.8 130.5 131.1 131.8	261 262 263 264 265	199.9 200.7 201.5 202.2 203.0	167·8 168·4 169·1 169·7 170·3
26	19.9	16.7	86	65.9	55·3	146	111.8	93·8	206	157·8	132·4	266	203·8	171.0
27	20.7	17.4	87	66.6	55·9	147	112.6	94·5	207	158·6	133·1	267	204·5	171.6
28	21.4	18.0	88	67.4	56·6	148	113.4	95·1	208	159·3	133·7	268	205·3	172.3
29	22.2	18.6	89	68.2	57·2	149	114.1	95·8	209	160·1	134·3	269	206·1	172.9
30	23.0	19.3	90	68.9	57·9	150	114.9	96·4	210	160·9	135·0	270	206·8	173.6
31	23.7	19.9	91	69.7	58·5	151	115.7	97·1	211	161.6	135.6	271	207.6	174·2
32	24.5	20.6	92	70.5	59·1	152	116.4	97·7	212	162.4	136.3	272	208.4	174·8
33	25.3	21.2	93	71.2	59·8	153	117.2	98·3	213	163.2	136.9	273	209.1	175·5
34	26.0	21.9	94	72.0	60·4	154	118.0	99·0	214	163.9	137.6	274	209.9	176·1
35	26.8	22.5	95	72.8	61·1	155	118.7	99·6	215	164.7	138.2	275	210.7	176·8
36	27.6	23·1	96	73·5	61.7	156	119·5	100·3	216	165.5	138.8	276	211·4	177 4
37	28.3	23·8	97	74·3	62.4	157	120·3	100·9	217	166.2	139.5	277	212·2	178 1
38	29.1	24·4	98	75·1	63.0	158	121·0	101·6	218	167.0	140.1	278	213·0	178 7
39	29.9	25·1	99	75·8	63.6	159	121·8	102·2	219	167.8	140.8	279	213·7	179 3
40	30.6	25·7	100	76·6	64.3	160	122·6	102·8	220	168.5	141.4	280	214·5	180 0
41	31·4	26·4	101	77.4	64.9	161	123·3	103.5	221	169·3	142·1	281	215·3	180·6
42	32·2	27·6	102	78.1	65.6	162	124·1	104.1	222	170·1	142·7	282	216·0	181·3
43	32·9	27·6	103	78.9	66.2	163	124·9	104.8	223	170·8	143·3	283	216·8	181·9
44	33·7	28·3	104	79.7	66.8	164	125·6	105.4	224	171·6	144·0	284	217·6	182·6
45	34·5	28·9	105	80.4	67.5	165	126·4	106.1	225	172·4	144·6	285	218·3	183·2
46	35·2	29.6	106	81·2	68·1	166	127·2	106·7	226	173·1	145.3	286	219·1	183·8
47	36·0	30.2	107	82·0	68·8	167	127·9	107·3	227	173·9	145.9	287	219·9	184·5
48	36·8	30.9	108	82·7	69·4	168	128·7	108·0	228	174·7	146.6	288	220·6	185·1
49	37·5	31.5	109	83·5	70·1	169	129·5	108·6	229	175·4	147.2	289	221·4	185·8
50	38·3	32.1	110	84·3	70·7	170	130·2	109·3	230	176·2	147.8	290	222·2	186·4
51	39·1	32·8	111	85.0	71·3	171	131.0	109.9	231	177.0	148·5	291	222·9	187·1
52	39·8	33·4	112	85.8	72·0	172	131.8	110.6	232	177.7	149·1	292	223·7	187·7
53	40·6	34·1	113	86.6	72·6	173	132.5	111.2	233	178.5	149·8	293	224·5	188·3
54	41·4	34·7	114	87.3	73·3	174	133.3	111.8	234	179.3	150·4	294	225·2	189·0
55	42·1	35·4	115	88.1	73·9	175	134.1	112.5	235	180.0	151·1	295	226·0	189·6
56	42·9	36·0	116	88.9	74·6	176	134·8	113·1	236	180·8	151.7	296	226·7	190·3
57	43·7	36·6	117	89.6	75·2	177	135·6	113·8	237	181·6	152.3	297	227·5	190·9
58	44·4	37·3	118	90.4	75·8	178	136·4	114·4	238	182·3	153.0	298	228·3	191·6
59	45·2	37·9	119	91.2	76·5	179	137·1	115·1	239	183·1	153.6	299	229·0	192·2
60	46·0	38·6	120	91.9	77·1	180	137·9	115·7	240	183·9	154.3	300	229·8	192·8
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1	00.8	00·7	61	46.0	40·0	121	91·3	79·4	181	136·6	118·7	241	181·9	158·1
2	01.5	01·3	62	46.8	40·7	122	92·1	80·0	182	137·4	119·4	242	182·6	158·8
3	02.3	02·0	63	47.5	41·3	123	92·8	80·7	183	138·1	120·1	243	183·4	159·4
4	03.0	02·6	64	48.3	42·0	124	93·6	81·4	184	138·9	120·7	244	184·1	160·1
5	03.8	03·3	65	49.1	42·6	125	94·3	82·0	185	139·6	121·4	245	184·9	160·7
6	04.5	03·9	66	49.8	43·3	126	95·1	82·7	186	140.4	122·0	246	185.7	161·4
7	05.3	04·6	67	50.6	44·0	127	95·8	83·3	187	141.1	122·7	247	186.4	162·0
8	06.0	05·2	68	51.3	44·6	128	96·6	84·0	188	141.9	123·3	248	187.2	162·7
9	06.8	05·9	69	52.1	45·3	129	97·4	84·6	189	142.6	124·0	249	187.9	163·4
10	07.5	06·6	70	52.8	45·9	130	98·1	85·3	190	143.4	124·7	250	188.7	164·0
11	08·3	07·2	71	53·6	46.6	131	98·9	85·9	191	144·1	125·3	251	189·4	164.7
12	09·1	07·9	72	54·3	47.2	132	99·6	86·6	192	144·9	126·0	252	190·2	165.3
13	09·8	08·5	73	55·1	47.9	133	100·4	87·3	193	145·7	126·6	253	190·9	166.0
14	10·6	09·2	74	55·8	48.5	134	101·1	87·9	194	146·4	127·3	254	191·7	166.6
15	11·3	09·8	75	56·6	49.2	135	101·9	88·6	195	147·2	127·9	255	192·5	167.3
16	12:1	10.5	76	57·4	49·9	136	102.6	89·2	196	147.9	128.6	256	193·2	168.0
17	12:8	11.2	77	58·1	50·5	137	103.4	89·9	197	148.7	129.2	257	194·0	168.6
18	13:6	11.8	78	58·9	51·2	138	104.1	90·5	198	149.4	129.9	258	194·7	169.3
19	14:3	12.5	79	59·6	51·8	139	104.9	91·2	199	150.2	130.6	259	195·5	169.9
20	15:1	13.1	80	60·4	52·5	140	105.7	91·8	200	150.9	131.2	260	196·2	170.6
21	15.8	13·8	81	61·1	53·1	141	106·4	92.5	201	151.7	131·9	261	197.0	171·2
22	16.6	14·4	82	61·9	53·8	142	107·2	93.2	202	152.5	132·5	262	197.7	171·9
23	17.4	15·1	83	62·6	54·5	143	107·9	93.8	203	153.2	133·2	263	198.5	172·5
24	18.1	15·7	84	63·4	55·1	144	108·7	94.5	204	154.0	133·8	264	199.2	173·2
25	18.9	16·4	85	64·2	55·8	145	109·4	95.1	205	154.7	134·5	265	200.0	173·9
26	19·6	17·1	86	64.9	56·4	146	110·2	95.8	206	155.5	135·1	266	200.8	174.5
27	20·4	17·7	87	65.7	57·1	147	110·9	96.4	207	156.2	135·8	267	201.5	175.2
28	21·1	18·4	88	66.4	57·7	148	111·7	97.1	208	157.0	136·5	268	202.3	175.8
29	21·9	19·0	89	67.2	58·4	149	112·5	97.8	209	157.7	137·1	269	203.0	176.5
30	22·6	19·7	90	67.9	59·0	150	113·2	98.4	210	158.5	137·8	270	203.8	177.1
31 32 33 34 35	23·4 24·2 24·9 25·7 26·4	20·3 21·6 21·6 22·3 23·0	91 92 93 94 95	68·7 69·4 70·2 70·9 71·7	59·7 60·4 61·0 61·7 62·3	151 152 153 154 155	114.0 114.7 115.5 116.2 117.0	99.7 100.4 101.0 101.7	211 212 213 214 215	159·2 160·0 160·8 161·5 162·3	138·4 139·1 139·7 140·4 141·1	271 272 273 274 275	204·5 205·3 206·0 206·8 207·5	177.8 178.4 179.1 179.8 180.4
36	27·2	23·6	96	72·5	63·0	156	117·7	102·3	216	163.0	141·7	276	208·3	181·1
37	27·9	24·3	97	73·2	63·6	157	118·5	103·0	217	163.8	142·4	277	209·1	181·7
38	28·7	24·9	98	74·0	64·3	158	119·2	103·7	218	164.5	143·0	278	209·8	182·4
39	29·4	25·6	99	74·7	64·9	159	120·0	104·3	219	165.3	143·7	279	210·6	183·0
40	30·2	26·2	100	75·5	65·6	160	120·8	105·0	220	166.0	144·3	280	211·3	183·7
41	30·9	26.9	101	76·2	66·3	161	121.5	105.6	221	166.8	145.0	281	212·1	184.4
42	31·7	27.6	102	77·0	66·9	162	122.3	106.3	222	167.5	145.6	282	212·8	185.0
43	32·5	28.2	103	77·7	67·6	163	123.0	106.9	223	168.3	146.3	283	213·6	185.7
44	33·2	28.9	104	78·5	68·2	164	123.8	107.6	224	169.1	147.0	284	214·3	186.3
45	34·0	29.5	105	79·2	68·9	165	124.5	108.2	225	169.8	147.6	285	215·1	187.0
46	34·7	30·2	106	80·0	69.5	166	125·3	108.9	226	170.6	148·3	286	215·8	187.6
47	35·5	30·8	107	80·8	70.2	167	126·0	109.6	227	171.3	148·9	287	216·6	188.3
48	36·2	31·5	108	81·5	70.9	168	126·8	110.2	228	172.1	149·6	288	217·4	188.9
49	37·0	32·1	109	82·3	71.5	169	127·5	110.9	229	172.8	150·2	289	218·1	189.6
50	37·7	32·8	110	83·0	72.2	170	128·3	111.5	230	173.6	150·9	290	218·9	190.3
51	38·5	33·5	111	83·8	72·8	171	129·1	112·2	231	174·3	151.5	291	219·6	190.9
52	39·2	34·1	112	84·5	73·5	172	129·8	112·8	232	175·1	152.2	292	220·4	191.6
53	40·0	34·8	113	85·3	74·1	173	130·6	113·5	233	175·8	152.9	293	221·1	192.2
54	40·8	35·4	114	86·0	74·8	174	131·3	114·2	234	176·6	153.5	294	221·9	192.9
55	41·5	36·1	115	86·8	75·4	175	132·1	114·8	235	177·4	154.2	295	222·6	193.5
56	42·3	36·7	116	87·5	76·1	176	132·8	115·5	236	178·1	154·8	296	223·4	194·2
57	43·0	37·4	117	88·3	76·8	177	133·6	116·1	237	178·9	155·5	297	224·1	194·8
58	43·8	38·1	118	89·1	77·4	178	134·3	116·8	238	179·6	156·1	298	224·9	195·5
59	44·5	38·7	119	89·8	78·1	179	135·1	117·4	239	180·4	156·8	299	225·7	196·2
60	45·3	39·4	120	90·6	78·7	180	135·8	118·1	240	181·1	157·5	300	226·4	196·8
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1 2 3 4 5	00·7 01·5 02·2 03·0 03·7	00·7 01·3 02·0 02·7 03·3	61 62 63 64 65	45·3 46·1 46·8 47·6 48·3	40.8 41.5 42.2 42.8 43.5	121 122 123 124 125	89.9 90.7 91.4 92.1 92.9	81.6 82.3 83.0 83.6	181 182 183 184 185	134·5 135·3 136·0 136·7 137·5	121·1 121·8 122·5 123·1 123·8	241 242 243 244 245	179·1 179·8 180·6 181·3 182·1	161·3 161·9 162·6 163·3 163·9
6	04·5	04·0	66	49.0	44.2	126	93.6	84 3	186	138·2	124·5	246	182.8	164.6
7	05·2	04·7	67	49.8	44.8	127	94.4	85 0	187	139·0	125·1	247	183.6	165.3
8	05·9	05·4	68	50.5	45.5	128	95.1	85 6	188	139·7	125·8	248	184.3	165.9
9	06·7	06·0	69	51.3	46.2	129	95.9	86 3	189	140·5	126·5	249	185.0	166.6
10	07·4	06·7	70	52.0	46.8	130	96.6	87 0	190	141·2	127·1	250	185.8	167.3
11 12 13 14 15	08·2 08·9 09·7 10·4 11·1	07·4 08·0 08·7 09·4 10·0	71 72 73 74 75	52·8 53·5 54·2 55·0 55·7	47.5 48.2 48.8 49.5 50.2	131 132 133 134 135	97·4 98·1 98·8 99·6 100·3	87·7 88·3 89·0 89·7 90·3	191 192 193 194 195	141.9 142.7 143.4 144.2 144.9	127·8 128·5 129·1 129·8 130·5	251 252 253 254 255	186.5 187.3 188.0 188.8 189.5	168.6 169.3 170.0 170.6
16	11.9	10·7	76	56.5	50·9	136	101.1	91·0	196	145.7	131·1	256	190·2	171·3
17	12.6	11·4	77	57.2	51·5	137	101.8	91·7	197	146.4	131·8	257	191·0	172·0
18	13.4	12·0	78	58.0	52·2	138	102.6	92·3	198	147.1	132·5	258	191·7	172·6
19	14.1	12·7	79	58.7	52·9	139	103.3	93·0	199	147.9	133·2	259	192·5	173·3
20	14.9	13·4	80	59.5	53·5	140	104.0	93·7	200	148.6	133·8	260	193·2	174·0
21	15·6	14·1	81	60·2	54·2	141	104.8	94·3	201	149·4	134·5	261	194.0	174.6
22	16·3	14·7	82	60·9	54·9	142	105.5	95·0	202	150·1	135·2	262	194.7	175.3
23	17·1	15·4	83	61·7	55·5	143	106.3	95·7	203	150·9	135·8	263	195.4	176.0
24	17·8	16·1	84	62·4	56·2	144	107.0	96·4	204	151·6	136·5	264	196.2	176.7
25	18·6	16·7	85	63·2	56·9	145	107.8	97·0	205	152·3	137·2	265	196.9	177.3
26	19·3	17·4	86	63·9	57.5	146	108·5	97·7	206	153·1	137.8	266	197.7	178.0
27	20·1	18·1	87	64·7	58.2	147	109·2	98·4	207	153·8	138.5	267	198.4	178.7
28	20·8	18·7	88	65·4	58.9	148	110·0	99·0	208	154·6	139.2	268	199.2	179.3
29	21·6	19·4	89	66·1	59.6	149	110·7	99·7	209	155·3	139.8	269	199.9	180.0
30	22·3	20·1	90	66·9	60.2	150	111·5	100·4	210	156·1	140.5	270	200.6	180.7
31	23·0	20·7	91	67.6	60.9	151	112·2	101·0	211	156·8	141·2	271	201·4	181·3
32	23·8	21·4	92	68.4	61.6	152	113·0	101·7	212	157·5	141·9	272	202·1	182·0
33	24·5	22·1	93	69.1	62.2	153	113·7	102·4	213	158·3	142·5	273	202·9	182·7
34	25·3	22·8	94	69.9	62.9	154	114·4	103·0	214	159·0	143·2	274	203·6	183·3
35	26·0	23·4	95	70.6	63.6	155	115·2	103·7	215	159·8	143·9	275	204·4	184·0
36	26·8	24·1	96	71·3	64·2	156	115·9	104·4	216	160·5	144.5	276	205·1	184·7
37	27·5	24·8	97	72·1	64·9	157	116·7	105·1	217	161·3	145.2	277	205·9	185·3
38	28·2	25·4	98	72·8	65·6	158	117·4	105·7	218	162·0	145.9	278	206·6	186·0
39	29·0	26·1	99	73·6	66·2	159	118·2	106·4	219	162·7	146.5	279	207·3	186·7
40	29·7	26·8	100	74·3	66·9	160	118·9	107·1	220	163·5	147.2	280	208·1	187·4
41	30·5	27·4	101	75·1	67.6	161	119.6	107·7	221	164·2	147.9	281	208·8	188.0
42	31·2	28·1	102	75·8	68.3	162	120.4	108·4	222	165·0	148.5	282	209·6	188.7
43	32·0	28·8	103	76·5	68.9	163	121.1	109·1	223	165·7	149.2	283	210·3	189.4
44	32·7	29·4	104	77·3	69.6	164	121.9	109·7	224	166·5	149.9	284	211·1	190.0
45	33·4	30·1	105	78·0	70.3	165	122.6	110·4	225	167·2	150.6	285	211·8	190.7
46	34·2	30.8	106	78·8	70.9	166	123·4	111·1	226	168.0	151·2	286	212·5	191·4
47	34·9	31.4	107	79·5	71.6	167	124·1	111·7	227	168.7	151·9	287	213·3	192·0
48	35·7	32.1	108	80·3	72.3	168	124·8	112·4	228	169.4	152·6	288	214·0	192·7
49	36·4	32.8	109	81·0	72.9	169	125·6	113·1	229	170.2	153·2	289	214·8	198·4
50	37·2	33.5	110	81·7	73.6	170	126·3	113·8	230	170.9	153·9	290	215·5	194·0
51	37·9	34·1	111	82·5	74·3	171	127:1	114·4	231	171.7	154.6	291	216·3	194.7
52	38·6	34·8	112	83·2	74·9	172	127:8	115·1	232	172.4	155.2	292	217·0	195.4
53	39·4	35·5	113	84·0	75·6	173	128:6	115·8	233	173.2	155.9	293	217·7	196.1
54	40·1	36·1	114	84·7	76·3	174	129:3	116·4	234	173.9	156.6	294	218·5	196.7
55	40·9	36·8	115	85·5	77·0	175	130:1	117·1	235	174.6	157.2	295	219·2	197.4
56	41.6	37·5	116	86·2	77.6	176	130·8	117·8	236	175·4	157.9	296	220·0	198·1
57	42.4	38·1	117	86·9	78.3	177	131·5	118·4	237	176·1	158.6	297	220·7	198·7
58	43.1	38·8	118	87·7	79.0	178	132·3	119·1	238	176·9	159.3	298	221·5	199·4
59	43.8	39·5	119	88·4	79.6	179	133·0	119·8	239	177·6	159.9	299	222·2	200·1
60	44.6	40·1	120	89·2	80.3	180	133·8	120·4	240	178·4	160.6	300	222·9	200·7
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1 2 3 4	00·7 01·5 02·2 02·9 03·7	00·7 01·4 02·0 02·7 03·4	61	44.6 45.3 46.1 46.8 47.5	41.6 42.3 43.0 43.6 44.3	121 122 123 124 125	88.5 89.2 90.0 90.7 91.4	82.5 83.2 83.9 84.6 85.2	181 182 183 184 185	132·4 133·1 133·8 134·6 135·3	123·4 124·1 124·8 125·5 126·2	241 242 243 244 245	176·3 177·0 177·7 178·5 179·2	164·4 165·0 165·7 166·4 167·1
7 8 9	04·4 05·1 05·9 06·6 07·3	04·1 04·8 05·5 06·1 06·8	66 67 68 69 70	48·3 49·0 49·7 50·5 51·2	45.7 46.4 47.1 47.7	126 127 128 129 130	92·2 92·9 93·6 94·3 95·1	85·9 86·6 87·3 88·0 88·7	186 187 188 189 190	136.0 136.8 137.5 138.2 139.0	126·9 127·5 128·2 128·9 129·6	246 247 248 249 250	179·9 180·6 181·4 182·1 182·8	167·8 168·5 169·1 169·8 170·5
18 14	08·0 08·8 09·5 10·2 11·0	07·5 08·2 08·9 09·5 10·2	71 72 73 74 75	51.9 52.7 53.4 54.1 54.9	48.4 49.1 49.8 50.5 51.1	131 132 133 134 135	95·8 96·5 97·3 98·0 98·7	89°3 90°0 90°7 91°4 92°1	191 192 193 194 195	139·7 140·4 141·2 141·9 142·6	130·3 130·9 131·6 132·3 133·0	251 252 253 254 255	183.6 184.3 185.0 185.8 186.5	171.9 172.5 173.2 173.9
16	11.7	10.9	76	55.6	51.8	136	99.5	92·8	196	143·3	133·7	256	187·2	174.6
17	12.4	11.6	77	56.3	52.5	137	100.2	93·4	197	144·1	134·4	257	188·0	175.3
18	13.2	12.3	78	57.0	53.2	138	100.9	94·1	198	144·8	135·0	258	188·7	176.0
19	13.9	13.0	79	57.8	53.9	139	101.7	94·8	199	145·5	135·7	259	189·4	176.6
20	14.6	13.6	80	58.5	54.6	140	102.4	95·5	200	146·3	136·4	260	190·2	177.3
21	15·4	14·3	81	59·2	55·2	141	103·1	96·2	201	147.0	137·1	261	190.9	178.0
22	16·1	15·0	82	60·0	55·9	142	103·9	96·8	202	147.7	137·8	262	191.6	178.7
23	16·8	15·7	83	60·7	56·6	143	104·6	97·5	203	148.5	138·4	263	192.3	179.4
24	17·6	16·4	84	61·4	57·3	144	105·3	98·2	204	149.2	139·1	264	193.1	180.0
25	18·3	17·0	85	62·2	58· 0	145	106·0	98·9	205	149.9	139·8	265	193.8	180.7
26	19.0	17·7	86	62.9	58.7	146	106·8	99.6	206	150·7	140·5	266	194·5	181·4
27	19.7	18·4	87	63.6	59.3	147	107·5	100.3	207	151·4	141·2	267	195·3	182·1
28	20.5	19·1	88	64.4	60.0	148	108·2	100.9	208	152·1	141·9	268	196·0	182·8
29	21.2	19·8	89	65.1	60.7	149	109·0	101.6	209	152·9	142·5	269	196:7	183·5
30	21.9	20·5	90	65.8	61.4	150	109·7	102.3	210	153·6	143·2	270	197·5	184·1
31	22.7	21·1	91	66.6	62·1	151	110·4	103·0	211	154·3	143·9	271	198·2	184.8
32	23.4	21·8	92	67.3	62·7	152	111·2	103·7	212	155·0	144·6	272	198·9	185.5
33	24.1	22·5	93	68.0	63·4	153	111·9	104·3	213	155·8	145·3	273	199·7	186.2
34	24.9	23·2	94	68.7	64·1	154	112·6	105·0	214	156·5	145·9	274	200·4	186.9
35	25.6	23·9	95	69.5	64·8	155	113·4	105·7	215	157·2	146·6	275	201·1	187.5
36	26·3	24.6	96	70·2	65·5	156	114·1	106·4	216	158.0	147·3	276	201.9	188.2
37	27·1	25.2	97	70·9	66·2	157	114·8	107·1	217	158.7	148·0	277	202.6	188.9
38	27·8	25.9	98	71·7	66·8	158	115·6	107·8	218	159.4	148·7	278	203.3	189.6
39	28·5	26.6	99	72·4	67·5	159	116·3	108·4	219	160.2	149·4	279	204.0	190.3
40	29·3	27.3	100	73·1	68·2	160	117·0	109·1	220	160.9	150·0	280	204.8	191.0
41	30·0	28·0	101	73·9	68.9	161	117·7	109.8	221	161.6	150·7	281	205·5	191.6
42	30·7	28·6	102	74·6	69.6	162	118·5	110.5	222	162.4	151·4	282	206·2	192.3
43	31·4	29·3	103	75·3	70.2	163	119·2	111.2	223	163.1	152·1	283	207·0	193.0
44	32·2	30·0	104	76·1	70.9	164	119·9	111.8	224	163.8	152·8	284	207·7	193.7
45	32·9	30·7	105	76·8	71.6	165	120·7	112.5	225	164.6	153·4	285	208·4	194.4
46	33·6	31·4	106	77.5	72·3	166	121·4	113·2	226	165·3	154.1	286	209·2	195·1
47	34·4	32·1	107	78.3	73·0	167	122·1	113·9	227	166·0	154.8	287	209·9	195·7
48	35·1	32·7	108	79.0	73·7	168	122·9	114·6	228	166·7	155.5	288	210·6	196·4
49	35·8	33·4	109	79.7	74·3	169	123·6	115·3	229	167·5	156.2	289	211·4	197·1
50	36·6	34·1	110	80.4	75·0	170	124·3	115·9	230	168·2	156.9	290	212·1	197·8
51	37·3	34·8	111	81·2	75.7	171	125·1	116·6	231	168.9	157·5	291	212·8	198.5
52	38·0	35·5	112	81·9	76.4	172	125·8	117·3	232	169.7	158·2	292	213·6	199.1
53	38·8	36·1	113	82·6	77.1	173	126·5	118·0	233	170.4	158·9	293	214·3	199.8
54	39·5	36·8	114	83·4	77.7	174	127·3	118·7	234	171.1	159·6	294	215·0	200.5
55	40·2	37·5	115	84·1	78.4	175	128·0	119·3	235	171.9	160·3	295	215·7	201.2
56 57 58 59 60	41.0 41.7 42.4 43.1 43.9	38·2 38·9 39·6 40·2 40·9	116 117 118 119 120	84·8 85·6 86·3 87·0 87·8	79·1 79·8 80·5 81·2 81·8	176 177 178 179 180	128·7 129·4 130·2 130·9 131·6	120·0 120·7 121·4 122·1 122·8	236 237 238 239 240	172.6 173.3 174.1 174.8 175.5	161.6 162.3 163.0 163.7	296 297 298 299 300	216·5 217·2 217·9 218·7 219·4	201.9 202.6 203.2 203.9 204.6
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Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
00·7 01·4 02·2 02·9 03·6	00·7 01·4 02·1 02·8 03·5	61 62 63 64 65	43.9 44.6 45.3 46.0 46.8	42·4 43·1 43·8 44·5 45·2	121 122 123 124 125	87.8 88.5 89.2 89.9	84·1 84·7 85·4 86·1 86·8	181 182 183 184 185	130·2 130·9 131·6 132·4 133·1	125.7 126.4 127.1 127.8 128.5	241 242 243 244 245	173·4 174·1 174·8 175·5 176·2	167·4 168·1 168·8 169·5 170·2
04·3	04·2	66	47.5	45.8	126	90.6	87.5	186	133·8	129·2	246	177:0	170·9
05·0	04·9	67	48.2	46.5	127	91.4	88.2	187	134·5	129·9	247	177:7	171·6
05·8	05·6	68	48.9	47.2	128	92.1	88.9	188	135·2	130·6	248	178:4	172·3
06·5	06·3	69	49.6	47.9	129	92.8	89.6	189	136·0	131·3	249	179:1	173·0
07·2	06·9	70	50.4	48.6	130	93.5	90.3	190	136·7	132·0	250	179:8	173·7
07:9	07.6	71	51·1	49·3	131	94·2	91.0	191	137·4	132·7	251	180.6	174·4
08:6	08.3	72	51·8	50·0	132	95·0	91.7	192	138·1	133·4	252	181.3	175·1
09:4	09.0	73	52·5	50·7	133	95·7	92.4	193	138·8	134·1	253	182.0	175·7
10:1	09.7	74	53·2	51·4	134	96·4	93.1	194	139·6	134·8	254	182.7	176·4
10:8	10.4	75	54·0	52·1	135	97·1	93.8	195	140·3	135·5	255	183.4	177·1
11.5	11.1	76	54.7	52.8	136	97·8	94·5	196	141.0	136.2	256	184·2	177.8
12.2	11.8	77	55.4	53.5	137	98·5	95·2	197	141.7	136.8	257	184·9	178.5
12.9	12.5	78	56.1	54.2	138	99·3	95·9	198	142.4	137.5	258	185·6	179.2
13.7	13.2	79	56.8	54.9	139	100·0	96·6	199	143.1	138.2	259	186·3	179.9
14.4	13.9	80	57.5	55.6	140	100·7	97·3	200	143.9	138.9	260	187·0	180.6
15·1	14.6	81	58·3	56·3	141	101·4	97.9	201	144.6	139.6	261	187·7	181·3
15·8	15.3	82	59·0	57·0	142	102·1	98.6	202	145.3	140.3	262	188·5	182·0
16·5	16.0	83	59·7	57·7	143	102·9	99.3	203	146.0	141.0	263	189·2	182·7
17·3	16.7	84	60·4	58·4	144	103·6	100.0	204	146.7	141.7	264	189·9	183·4
18·0	17.4	85	61·1	59·0	145	104·3	100.7	205	147.5	142.4	265	190·6	184·1
18.7	18·1	86	61.9	59·7	146	105·0	101·4	206	148·2	143·1	266	191·3	184·8
19.4	18·8	87	62.6	60·4	147	105·7	102·1	207	148·9	143·8	267	192·1	185·5
20.1	19·5	88	63.3	61·1	148	106·5	102·8	208	149·6	144·5	268	192·8	186·2
20.9	20·1	89	64.0	61·8	149	107·2	103·5	209	150·3	145·2	269	193·5	186·9
21.6	20·8	90	64.7	62·5	150	107·9	104·2	210	J51·1	145·9	270	194·2	187·6
22·3	21.5	91	65.5	63·2	151	108·6	104.9	211	151.8	146.6	271	194.9	188·3
23·0	22.2	92	66.2	63·9	152	109·3	105.6	212	152.5	147.3	272	195.7	188·9
23·7	22.9	93	66.9	64·6	153	110·1	106.3	213	153.2	148.0	273	196.4	189·6
24·5	23.6	94	67.6	65·3	154	110·8	107.0	214	153.9	148.7	274	197.1	190·3
25·2	24.3	95	68.3	66·0	155	111·5	107.7	215	154.7	149.4	275	197.8	191·0
25.9	25·0	96	69.1	66.7	156	112·2	108:4	216	155.4	150·0	276	198.5	191.7
26.6	25·7	97	69.8	67.4	157	112·9	109:1	217	156.1	150·7	277	199.3	192.4
27.3	26·4	98	70.5	68.1	158	113·7	109:8	218	156.8	151·4	278	200.0	193.1
28.1	27·1	99	71.2	68.8	159	114·4	110:5	219	157.5	152·1	279	200.7	193.8
28.8	27·8	100	71.9	69.5	160	115·1	111:1	220	158.3	152·8	280	201.4	194.5
29·5	28.5	101	72·7	70·2	161	115·8	111.8	221	159.0	153·5	281	202·1	195.2
30·2	29.2	102	73·4	70·9	162	116·5	112.5	222	159.7	154·2	282	202·9	195.9
30·9	29.9	103	74·1	71·5	163	117·3	113.2	223	160.4	154·9	283	203·6	196.6
31·7	30.6	104	74·8	72·2	164	118·0	113.9	224	161.1	155·6	284	204·3	197.3
32·4	31.3	105	75·5	72·9	165	118·7	114.6	• 225	161.9	156·3	285	205·0	198.0
33.1 33.8 34.5 35.2 36.0	32·6 33·3 34·0 34·7	106 107 108 109 110	76·3 77·0 77·7 78·4 79·1	73.6 74.3 75.0 75.7 76.4	166 167 168 169 170	119·4 120·1 120·8 121·6 122·3	115·3 116·0 116·7 117·4 118·1	226 227 228 229 230	162.6 163.3 164.0 164.7 165.4	157·0 157·7 158·4 159·1 159·8	286 287 288 289 200	205·7 206·5 207·2 207·9 208·6	198·7 199·4 200·1 200·8 201·5
36·7	35·4	111	79·8	77·1	171	123·0	118·8	231	166·2	160·5	291	209·3	202·1
37·4	36·1	112	80·6	77·8	172	123·7	119·5	232	166·9	161·2	292	210·0	202·8
38·1	36·8	113	81·3	78·5	173	124·4	120·2	233	167·6	161·9	293	210·8	203·5
38·8	37·5	114	82·0	79·2	174	125·2	120·9	234	168·3	162·6	294	211·5	204·2
39·6	38·2	115	82·7	79·9	175	125·9	121·6	235	169·0	163·2	295	212·2	204·9
40·3	38.9	116	83·4	80.6	176	126.6	122·3	236	169·8	163·9	296	212·9	205·6
41·0	39.6	117	84·2	81.3	177	127.3	123·0	237	170·5	164·6	297	213·6	206·3
41·7	40.3	118	84·9	82.0	178	128.0	123·6	238	171·2	165·3	298	214·4	207·0
42·4	41.0	119	85·6	82.7	179	128.8	124·3	239	171·9	166·0	299	215·1	207·7
43·2	41.7	120	86·8	83.4	180	129.5	125·0	240	172·6	166·7	300	215·8	208·4
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	00144022903660436607220796894101187145158571229036607221133744511585722093660722166079211337445115857388738888888888888888888888888888	01·4 01·4 01·4 01·6 06·8 06·8 06·8 06·8 06·8 06·8 06·8 06	00.7 00.7 61 01.4 01.4 62 02.2 02.1 63 02.9 02.8 63 03.5 65 04.3 04.2 66 05.0 04.9 67 05.8 05.6 68 06.5 06.3 68 06.5 06.3 71 08.6 08.3 71 08.6 08.3 71 09.4 09.0 73 10.1 09.7 74 11.5 11.1 76 11.2 11.8 76 11.2 11.8 76 11.2 11.8 76 11.2 11.8 76 11.4 6 81 15.8 15.3 82 11.4 13.9 80 15.1 14.6 81 15.8 15.3 82 15.1 14.6 81 15.8 15.3 82 15.9 18.1 88 17.4 18.8 86 19.4 18.8 87 19.4 18.8 87 19.4 18.8 87 19.4 18.8 98 10.5 19.5 88 20.9 20.1 89 20.1 20.8 90	00.7 00.7 61 43.9 01.4 01.4 62 44.6 02.2 02.1 63 45.3 02.9 02.8 64 46.0 03.6 03.5 65 46.8 04.3 04.9 67.4 02.2 05.8 05.6 04.9 67 48.2 05.8 05.6 06.5 06.3 68 48.9 06.5 06.3 08.3 72 51.8 09.4 09.0 7.3 52.5 10.1 09.7 74 53.2 10.1 09.7 74 53.2 10.1 09.7 74 53.2 10.1 09.7 75 54.0 11.5 11.1 76 54.7 12.2 11.8 77 55.4 12.9 12.5 78 56.1 13.7 13.2 79 56.8 15.8 15.8 15.8 15.8 15.8 15.8 15.8 15	00.7 00.7 61 43.9 42.4 10.14 62 44.6 43.1 10.22 02.1 63 45.3 43.8 02.9 02.8 64 46.0 44.5 03.6 03.5 65 46.8 45.2 04.3 04.9 66.4 75.4 58.0 05.0 04.9 67 48.2 46.5 05.8 05.6 68 48.9 47.2 06.5 06.6 06.3 07.2 06.9 70 50.4 48.6 07.9 07.6 07.2 06.9 70 50.4 48.6 07.9 07.6 07.3 52.5 50.7 10.1 09.7 74 53.2 51.4 10.8 10.4 75 54.0 52.1 11.5 11.1 76 54.7 52.8 11.2 11.8 77 56.4 53.5 13.1 12.9 12.5 78 56.1 54.9 14.4 13.9 80 57.5 55.6 15.1 14.6 81 58.3 56.3 15.8 15.8 15.8 25.9 0.5 70 16.5 16.5 16.0 83 59.7 57.7 17.3 16.7 84 60.4 58.4 18.0 17.4 85 61.1 59.7 17.1 19.5 18.1 86 61.9 59.7 19.4 18.8 87 62.6 00.4 20.1 19.5 88 63.3 61.1 19.5 18.7 18.1 86 61.9 59.7 19.4 18.8 87 62.6 00.4 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 20.1 19.5 88 63.3 61.1 20.9 20.1 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66.7 156 25.9 25.0 90 64.7 65.3 158 28.1 27.1 99 71.2 68.8 159 28.8 27.8 100 71.9 69.5 160 29.5 28.5 101 72.7 70.2 161 32.1 29.9 10.7 74.7 68.8 159 28.8 27.8 100 71.9 69.5 160 29.9 29.1 10.7 74.4 72.2 166 25.7 27.3 26.4 98 70.5 68.1 158 28.8 27.8 100 71.9 69.5 160 29.9 29.9 10.7 74.4 71.5 163 31.7 30.6 10.4 74.4 72.2 16.6 32.1 12.1 17.9 87.7 1.5 163 31.7 30.6 10.4 74.4 72.2 16.6 32.1 17.1 99 71.2 68.8 159 28.8 27.8 100 71.9 69.5 160 29.5 28.5 101 72.7 70.2 161 32.9 29.9 10.7 74.4 70.9 162 33.1 32.0 10.6 76.3 73.6 166 32.4 31.3 10.5 75.5 72.9 165 33.1 32.0 10.6 76.3 73.6 166 32.4 31.3 10.5 75.5 72.9 165 33.1 32.0 10.6 76.3 73.6 166 32.4 31.3 10.5 75.5 72.9 165 33.1 32.0 10.6 76.3 73.6 166 32.1 11.1 79.8 77.1 171 37.4 36.1 11.2 80.6 77.8 173 38.8 37.5 11.4 82.0 79.2 174 40.3 38.9 11.8 83.4 80.6 176 41.0 39.6 11.1 82.0 77.9 17.1 171 37.4 36.1 112 80.6 77.8 173 38.8 37.5 114 82.0 79.2 174 40.3 38.9 11.8 83.4 80.6 176 41.0 39.6 11.1 83.4 80.6 176 41.0 39.6 11.1 83.4 80.6 176 41.0 39.6 11.1 83.4 80.6 176 41.0 39.6 11.1 83.4 80.6 176 41.0 39.6 11.1 83.4 80.6 176 41.0 39.6 11	00.7 00.7 61 43.9 42.4 121 87.0 01.4 01.4 62 44.6 43.1 122 87.8 02.9 02.8 64 46.6 44.5 124 89.2 03.6 03.5 65 46.8 45.2 125 89.9 04.3 04.2 66 47.5 45.8 126 90.6 05.0 04.9 67 48.2 46.5 127 91.4 05.6 06.3 69 49.6 47.9 129 92.8 07.2 06.9 70 50.4 48.6 130 93.5 07.9 07.6 71 51.1 49.3 131 94.2 08.6 08.3 72 51.8 50.0 132 95.0 09.4 09.0 73 52.5 50.7 133 95.7 10.1 09.7 74 53.2 51.4 134 96.4	00.7 00.7 61 43.9 42.4 121 87.0 84.1 01.4 01.4 62 44.6 43.1 122 57.8 84.7 02.9 02.8 64 46.0 44.5 124 89.2 86.1 03.6 03.5 65 46.8 45.2 125 89.9 86.8 04.3 04.2 66 47.5 45.8 126 90.6 87.5 05.0 04.9 67 48.2 46.5 127 91.4 88.2 05.5 05.6 68 48.9 47.2 128 92.1 88.9 06.5 06.3 69 49.6 47.9 129 92.8 89.6 07.2 07.6 71 51.1 49.3 131 94.2 91.0 08.6 08.3 72 51.8 50.0 132 95.0 91.7 09.4 09.0 73 52.5 50.7	00.7 00.7 61 43.9 42.4 121 87.0 84.1 181 01.4 01.4 62 44.6 43.1 122 87.8 84.7 182 02.9 02.8 64 46.6 44.5 124 89.2 86.1 183 03.5 65 46.8 45.2 125 89.9 86.8 185 04.3 04.2 66 47.5 45.8 126 90.6 87.5 186 04.3 04.2 66 47.5 45.8 126 90.6 87.5 186 05.0 04.9 67 48.2 46.5 127 91.4 88.2 187 05.8 05.6 68 48.9 47.2 128 92.1 88.9 188 06.5 06.3 69 49.6 47.9 129 92.8 89.6 189 07.2 06.9 70 50.4 45.6 130 93.5 90.3 190 07.9 07.6 71 51.1 49.3 131 94.2 91.0 191 08.6 08.3 72 51.8 50.0 132 95.0 91.7 192 08.6 08.3 72 51.8 50.0 132 95.0 91.7 192 08.6 08.3 72 51.8 50.0 132 95.0 91.7 192 10.1 0.9 7 74 53.2 51.4 134 96.4 93.1 194 10.3 10.4 75 54.0 52.1 135 97.1 93.8 195 11.5 11.1 76 54.7 52.8 136 97.8 94.5 196 12.2 11.8 77 55.4 83.5 137 98.5 95.2 197 12.9 12.5 78 56.1 54.2 138 99.3 95.9 198 13.7 13.2 79 56.8 54.9 139 100.0 96.6 193 13.7 13.2 79 56.8 54.9 139 100.0 96.6 193 14.4 13.9 80 57.5 55.6 140 100.7 97.3 200 15.1 14.6 81 58.3 56.3 141 101.4 97.9 201 15.8 15.3 82 59.0 57.0 142 102.1 98.6 202 17.3 16.7 84 60.4 58.4 144 103.6 100.0 204 18.7 18.1 86 61.9 59.7 146 103.6 100.0 204 18.7 18.1 86 61.9 59.7 146 103.6 100.0 204 18.7 18.1 88 61.9 59.7 146 103.6 100.0 204 18.7 18.1 88 61.9 59.7 146 104.3 100.7 205 18.7 18.1 88 61.9 59.7 146 104.3 100.7 205 18.7 18.1 88 61.9 59.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 69.7 146 104.3 100.7 205 18.7 18.1 86 61.9 60.4 147 105.7 102.1 207 19.4 18.3 87 62.6 60.4 147 105.7 102.1 207 19.5 88 63.3 61.1 188 104.3 107.0 214 25.2 22.9 26 66.2 63.9 152 109.3 105.6 212 23.7 22.9 30 66.9 64.6 153 110.1 106.3 213 24.5 23.6 96 67.6 65.3 154 110.5 107.7 215 25.9 25.0 96 69.1 66.7 156 112.5 108.4 216 25.2 24.3 95 68.3 660 155 111.5 107.7 215 26.6 25.7 97 69.8 67.4 167 112.2 108.4 216 28.3 12.5 10 72.7 70.2 161 115.8 111.2 213 28.3 29.0 106 67.8 76.6 10.9 11.5 111.1 220 29.5 25.5 10 10 72.7 70.2 161 115.	00.7 00.7 61 43.9 42.4 121 87.0 84.1 181 130.2 01.4 01.4 62 44.6 43.1 122 87.8 84.7 182 130.9 02.9 02.8 64 46.0 44.5 124 89.2 86.1 183 131.6 03.5 65 46.8 45.2 125 89.9 86.8 185 133.1 04.3 04.2 66 47.5 45.8 126 90.6 87.5 184 132.4 183.1 04.3 04.2 66 47.5 45.8 126 90.6 87.5 186 133.3 04.3 04.2 66 47.5 45.8 126 90.6 87.5 186 133.3 05.0 04.9 67 48.2 46.5 127 91.4 88.2 18.7 134.5 05.8 05.6 06.8 48.9 47.2 128 92.1 88.9 188 135.2 06.5 06.6 06.3 69 49.6 47.9 129 92.8 89.6 189 136.0 07.2 06.9 70 50.4 45.6 130 93.5 90.3 190 136.7 07.9 07.6 71 51.1 49.3 131 94.2 91.0 191 137.4 08.6 08.3 72 51.8 50.0 132 95.0 91.7 192 138.1 10.1 09.7 74 53.2 51.4 134 96.4 93.1 194 139.6 10.1 09.7 74 53.2 51.4 134 96.4 93.1 194 139.6 10.3 10.4 75 54.0 52.1 135 97.1 93.8 195 140.3 11.5 11.1 76 54.7 52.8 136 97.8 94.5 196 141.0 12.2 11.8 77 554.6 55.5 187 98.5 95.2 197 141.7 12.9 12.5 78 56.1 54.2 138 99.3 95.9 198 142.4 14.4 13.9 80 57.5 55.6 14.0 10.7 97.3 20.1 13.3 15.1 14.6 81 58.3 56.3 141 10.1 4 97.9 201 144.6 15.8 15.3 82 59.0 57.0 142 102.1 98.6 202 145.3 16.5 16.3 16.5 16.0 83 59.7 57.7 143 102.9 99.3 20.1 13.9 16.5 16.5 16.9 83 59.7 57.7 143 102.9 99.3 20.1 13.9 14.7 12.9 12.5 88 61.9 130 10.0 96.6 199 143.1 14.4 13.9 80 57.5 55.6 14.1 14.0 10.4 97.9 201 144.6 15.8 15.3 82 59.0 57.0 142 102.1 98.6 202 145.3 16.7 14.8 18.8 87 62.6 60.4 147 10.5 10.2 1.2 11.5 17.4 86 61.9 59.7 146 10.5 10.7 10.2 1.2 15.1 15.1 17.9 18.8 18.8 61.9 59.7 146 10.5 10.7 10.2 1.2 15.1 15.1 15.5 10.7 10.2 1.2 15.1 15.1 15.5 10.7 10.2 1.2 15.1 15.1 15.5 10.7 10.2 1.2 15.1 15.1 15.5 10.7 10.2 1.2 15.5 15.1 15.5 10.7 10.2 1.2 15.1 15.1 15.5 10.7 10.2 1.2 15.5 15.1 15.5 10.7 10.2 1.2 15.5 15.5 15.5 15.5 15.5 15.5 15.	007 007 61 43-9 42-4 121 87-0 84-1 181 130-2 125-7 01-4 01-4 62 44-6 43-1 122 87-8 84-7 182 130-9 120-4 02-9 02-8 64 46-0 44-5 123 88-5 85-4 183 131-6 127-1 03-6 03-5 65 46-8 45-2 125 89-9 86-8 185 133-1 123-5 04-3 04-2 66 47-5 45-8 126 90-6 87-5 186 133-8 129-9 05-8 05-6 04-9 67 48-2 46-5 127 91-4 88-2 187 134-5 129-9 05-8 05-6 08-4 96-6 47-9 129 92-8 89-6 189 136-0 131-3 07-2 06-9 70 50-4 48-6 130 93-5 90-3 180 136-7 132-0 07-9 07-6 71 51-1 49-3 131 94-2 91-0 191 137-4 132-7 07-9 07-6 71 51-1 49-3 131 94-2 91-0 191 137-4 132-7 07-9 07-6 71 51-1 49-3 131 94-2 91-0 191 137-4 132-7 09-4 09-0 73 52-5 50-7 133 95-7 92-4 193 138-8 134-1 10-1 09-7 74 53-2 51-4 134 96-4 93-1 194 139-6 134-3 10-1 09-7 74 53-2 51-4 134 96-4 93-1 194 139-6 134-3 10-1 10-7 74 53-2 51-4 134 96-4 93-1 194 139-6 134-3 10-1 10-7 74 53-2 51-4 134 96-4 93-1 194 139-6 134-3 10-1 10-7 74 53-5 55-6 136 93-8 94-5 196 141-0 136-2 12-2 11-8 77 55-4 53-5 137 98-5 95-2 197 141-7 136-8 12-2 11-8 77 55-4 53-5 137 98-5 95-2 197 141-7 136-8 12-2 12-5 78 56-1 54-2 138 99-3 95-9 198 142-4 137-5 14-4 13-9 80 57-5 55-6 140 100-7 97-3 200 133-9 138-9 15-1 14-6 81 55-7 55-6 140 100-7 97-3 200 133-9 138-9 15-1 14-6 81 55-7 55-6 140 100-7 97-3 200 133-9 138-9 15-1 14-6 81 55-7 55-6 140 100-7 97-3 200 133-9 138-9 15-1 14-6 81 56-7 56-7 142 102-1 98-6 202 145-3 140-3 16-5 16-0 83 59-7 57-7 143 102-9 99-3 203 146-0 141-0 140-2 17-3 16-7 84 60-4 58-4 144 103-6 100-7 205 147-5 142-4 18-7 18-0 17-4 18-0 59-7 144 100-4 9 21 14-6 141-7 18-7 18-1 19-5 88 63-3 61-1 148 100-5 102-8 208 140-6 144-7 18-7 18-1 19-5 88 63-3 61-1 148 100-5 102-8 209 146-7 141-7 18-7 18-1 19-5 88 63-3 61-1 148 100-5 102-8 209 146-7 141-7 18-7 18-7 18-7 18-7 18-7 18-7 18-7 18-7	007 007 61 43°9 42°4 121 87°0 84°1 181 130°2 125°7 241 01°4 01°4 62 44°6 43°1 122 87°8 84°7 182 130°9 120°4 24°2 02°2 02°1 63 45°3 43°8 123 88°5 85°4 183 131°6 127°1 243 03°6 03°5 65 46°8 45°5 124 89°2 86°1 184 132°4 127°8 244 03°6 03°5 65 46°8 45°2 125 89°9 86°8 185 133°1 123°5 24°5 66°6 40°9 67 48°2 46°5 127 91°4 88°2 187 134°5 129°9 24°6 65°0 64°9 67 48°2 46°5 127 91°4 88°2 187 134°5 129°9 24°6 65°0 66°6 68°4 89°9 47°2 128 92°1 88°9 188 135°2 130°6 24°6 60°4 67°4 129 92°1 88°9 180°1 136°7 132°0 24°6 60°6 00°3 69 49°6 47°9 129 92°8 89°6 189 136°0 131°3 24°9 07°2 06°9 70 50°4 48°6 130 39°5 90°3 190 136°7 132°0 25°0 07°9 07°6 71 51°1 49°3 131 94°2 91°0 191 137°4 132°7 25°1 03°6 08°3 72 51°8 50°0 132 55°0 91°7 192 138°1 133°4 22°1 10°1 09°7 74 53°2 50°7 133 55°7 92°4 193 138°8 134°1 22°3 10°1 09°7 74 53°2 50°7 133 55°7 92°4 193 138°8 134°1 22°3 10°1 09°7 74 53°2 50°7 133 55°7 92°4 193 138°8 134°1 22°3 10°1 09°7 74 53°2 50°7 133 55°7 193°8 195 140°3 135°5 25°5 11°5 11°1 76°5 54°0 52°1 135 97°1 93°8 195 140°3 135°5 25°5 11°3 13°7 13°2 79 56°8 54°9 139 10°0 96°6 199 143°1 138°2 25°6 11°1 13°6 54°0 55°6 14°0 100°7 97°3 20°0 143°9 138°9 22°6 14°1 138°2 25°6 14°1 138°1 138°2 20°0 15°1 14°6 138°8 138°9 3°9 10°1 13°1 138°2 25°6 14°1 13°6 13°6 13°6 13°6 13°6 13°6 13°6 13	Lat. 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6 7 8 9	04·2 04·9 05·7 06·4 07·1	04·2 04·9 05·7 06·4 07·1	67 68 69	46.7 47.4 48.1 48.8 49.5	46.7 47.4 48.1 48.8 49.5	126 127 128 129 130	89·1 89·8 90·5 91·2 91·9	89·1 89·8 90·5 91·2 91·9	186 187 188 189 190	131·5 132·2 132·9 133·6 134·4	131·5 132·2 132·9 133·6 134·4	246 247 248 249 250	173·9 174·7 175·4 176·1 176·8	173·9 174·7 175·4 176·1 176·8
11 12 13 14 15	07.8 08.5 09.2 09.9 10.6	07.8 08.5 09.2 09.9 10.6	71 72 73 74	50·2 50·9 51·6 52·3 53·0	50·2 50·9 51·6 52·3 53·0	131 132 133 134 135	92.6 93.3 94.0 94.8 95.5	92.6 93.3 94.0 94.8 95.5	191 192 193 194 195	135·1 135·8 136·5 137·2 137·9	135·1 135·8 136·5 137·2 137·9	251 252 253 254 255	177.5 178.2 178.9 179.6 180.3	177:5 178:2 178:9 179:6 180:3
16 17 18 19 20	11.3 12.0 12.7 13.4 14.1	11·3 12·0 12·7 13·4 14·1	77 78 79	53·7 54·4 55·2 55·9 56·6	53·7 54·4 55·2 55·9 56·6	136 137 138 139 140	96·2 96·9 97·6 98·3 99·0	96·2 96·9 97·6 98·3 99·0	196 197 198 199 200	138·6 139·3 140·0 140·7 141·4	138·6 139·3 140·0 140·7 141·4	256 257 258 259 260	181.0 181.7 182.4 183.1 183.8	181.7 182.4 183.1 183.8
21 22 23 24 25	14·8 15·6 16·3 17·0 17·7	14.8 15.6 16.3 17.0 17.7	82 83 84	57·3 58·0 58·7 59·4 60·1	57·3 58·0 58·7 59·4 60·1	141 142 143 144 145	99.7 100.4 101.1 101.8 102.5	99.7 100.4 101.1 101.8 102.5	201 202 203 204 205	142·1 142·8 143·5 144·2 145·0	142·1 142·8 143·5 144·2 145·0	261 262 263 264 265	184.6 185.3 186.0 186.7 187.4	184.6 185.3 186.0 186.7 187.4
26 27 28 29 30	18·4 19·1 19·8 20·5 21·2	18·4 19·1 19·8 20·5 21·2	87 88 89	60·8 61·5 62·2 62·9 63·6	60.8 61.5 62.2 62.9 63.6	146 147 148 149 150	103·2 103·9 104·7 105·4 106·1	103·2 103·9 104·7 105·4 106·1	206 207 208 209 210	145.7 146.4 147.1 147.8 148.5	145.7 146.4 147.1 147.8 148.5	266 267 268 269 270	188·1 188·8 189·5 190·2 190·9	188·1 188·8 189·5 190·2 190·9
31 32 33 84 35	21.9 22.6 23.3 24.0 24.7	21.9 22.6 23.3 24.0 24.7	92 93 94	64·3 65·1 65·8 66·5 67·2	64·3 65·1 65·8 66·5 67·2	151 152 153 154 155	106.8 107.5 108.2 108.9 109.6	106.8 107.5 108.2 108.9 109.6	211 212 213 214 215	149·2 149·9 150·6 151·3 152·0	149·2 149·9 150·6 151·3 152·0	271 272 273 274 275	191.6 192.3 193.0 193.7 194.5	191.6 192.3 193.0 193.7 194.5
36 37 38 39 40	25·5 26·2 26·9 27·6 28·3	25.5 26.2 26.9 27.6 28.3	97 98 99	67.9 68.6 69.3 70.0 70.7	67.9 68.6 69.3 70.0 70.7	156 157 158 159 160	110·3 111·0 111·7 112·4 113·1	110·3 111·0 111·7 112·4 113·1	216 217 218 219 220	152·7 153·4 154·1 154·9 155·6	152·7 153·4 154·1 154·9 155·6	276 277 278 279 280	195·2 195·9 196·6 197·3 198·0	195·2 195·9 196·6 197·3 198·0
41 42 43 44 45	29.7 30.4 31.1 31.8	29.0 29.7 30.4 31.1 31.8	102 103 104	71·4 72·1 72·8 73·5 74·2	71·4 72·1 72·8 73·5 74·2	161 162 163 164 165	113·8 114·6 115·3 116·0 116·7	113·8 114·6 115·3 116·0 116·7	221 222 223 224 225	156·3 157·0 157·7 158·4 159·1	156·3 157·0 157·7 158·4 159·1	281 282 283 284 285	198.7 199.4 200.1 200.8 201.5	198.7 199.4 200.1 200.8 201.5
46 47 48 49 50	32·5 33·2 33·9 34·6 35·4	32·5 33·2 33·9 34·6 35·4	107 108 109	75·0 75·7 76·4 77·1 77·8	75·0 75·7 76·4 77·1 77·8	166 167 168 169 170	117·4 118·1 118·8 119·5 120·2	117·4 118·1 118·8 119·5 120·2	226 227 228 229 230	159·8 160·5 161·2 161·9 162·6	159·8 160·5 161·2 161·9 162·6	286 287 288 289 290	202·2 202·9 203·6 204·4 205·1	202·2 202·9 203·6 204·4 205·1
51 52 53 54 55	36·8 37·5 38·2 38·9	36·1 36·8 37·5 38·2 38·9	112 113 114 115	78·5 79·2 79·9 80·6 81·3	78·5 79·2 79·9 80·6 81·3	171 172 173 174 175	120·9 121·6 122·3 123·0 123·7	120·9 121·6 122·3 123·0 123·7	231 232 233 234 235	163·3 164·0 164·8 165·5 166·2	163·3 164·0 164·8 165·5 166·2	291 292 293 294 295	205·8 206·5 207·2 207·9 208·6	205·8 206·5 207·2 207·9 208·6
56 57 58 59 60	39·6 40·3 41·0 41·7 42·4	39.6 40.3 41.0 41.7 42.4	117 118 119	82·0 82·7 83·4 84·1 84·9	82·0 82·7 83·4 84·1 84·9	176 177 178 179 180	124·5 125·2 125·9 126·6 127·3	124·5 125·2 125·9 126·6 127·3	236 237 238 239 240	166·9 167·6 168·3 169·0 169·7	166.9 167.6 168.3 169.0 169.7	296 297 298 299 300	209·3 210·0 210·7 211·4 212·1	209·3 210·0 210·7 211·4 212·1
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

Inter-	Log.	Log.	Inter-	Log.	Log.	Inter-	Log.	Log.	Inter-	Log.	Log.
val.	Α.	В.	val.	A.	В.	val.	Α.	В.	val.	A.	В.
H. M. 2 0 2 4 6 8 10	7·7297 ·7298 ·7300 ·7302 ·7304 ·7305	7.7146 .7143 .7139 .7136 .7132 .7128	H. M. 4 0 2 4 6 8 10	7·7447 •7451 •7454 •7458 •7461 •7464	7.6823 .6815 .6807 .6800 .6792 .6784	H. M. 6 0 2 4 6 8 10	7·7703 ·7708 ·7713 ·7719 ·7724 ·7729	7.6198 .6184 .6170 .6156 .6142 .6127	H. M. 8 0 2 4 6 8 10	7·8072 ·8079 ·8086 ·8094 ·8101 ·8108	7:5062 :5036 :5010 :4983 :4957 :4930
12	*7307	*7125	12	*7468	*6776	12	*7735	·6113	12	*8116	·4902
14	*7309	*7121	14	*7472	*6768	14	*7740	·6098	14	*8123	·4874
16	*7311	*7117	16	*7475	*6759	16	*7745	·6083	16	*8130	·4846
18	*7313	*7113	18	*7479	*6751	18	*7751	·6068	18	*8138	·4818
20	*7315	*7109	20	*7482	*6743	20	*7756	·6053	20	*8145	·4789
22	*7317	•7105	22	*7486	·6734	22	*7762	*6038	22	*8153	:4760
24	*7319	•7101	24	*7490	·6726	24	*7767	*6023	24	*8160	:4731
26	*7321	•7097	26	*7494	·6717	26	*7773	*6007	26	*8168	:4701
28	*7323	•7092	28	*7497	·6708	28	*7779	*5991	28	*8176	:4671
30	*7325	•7088	30	*7501	·6700	30	*7784	*5975	30	*8183	:4640
32	*7327	*7083	32	7505	*6691	32	*7790	*5959	32	*8191	*4609
34	*7329	*7079	34	7509	*6682	34	*7796	*5943	34	*8199	*4578
36	*7331	*7075	36	7513	*6673	36	*7801	*5927	36	*8206	*4546
38	*7333	*7070	38	7517	*6663	38	*7807	*5910	38	*8214	*4514
40	*7336	*7065	40	7521	*6654	40	*7813	*5894	40	*8222	*4482
42	·7338	*7061	42	*7525	*6645	42	*7819	•5877	42	*8230	·4449
44	·7340	*7056	44	*7529	*6635	44	*7825	•5860	44	*8238	·4415
46	·7342	*7051	46	*7533	*6626	46	*7831	•5843	46	*8246	·4381
48	·7345	*7046	48	*7537	*6616	48	*7836	•5825	48	*8254	·4347
50	·7347	*7041	50	*7541	*6606	50	*7842	•5808	50	*8262	·4312
52	•7349	·7036	52	•7545	*6597	52	•7848	•5790	52	*8270	·4277
54	•7352	·7031	54	•7549	*6587	54	•7854	•5772	54	*8278	·4241
56	•7354	·7026	56	•7553	*6577	56	•7860	•5754	56	*8286	·4205
58	•7357	·7021	58	•7557	*6567	58	•7867	•5736	58	*8294	·4168
3 0	•7359	·7015	5 0	•7562	*6556	7 0	•7873	•5717	9 0	*8302	·4131
2	·7362	·7010	2	•7566	6546	2	·7879	*5699	2	·8311	·4093
4	·7364	·7005	4	•7570	6536	4	·7885	*5680	4	·8319	·4055
6	·7367	·6999	6	•7575	6525	6	·7891	*5661	6	·8328	·4016
8	·7369	·6993	8	•7579	6514	8	·7898	*5641	8	·8336	·3977
10	·7372	·6988	10	•7583	6504	10	·7904	*5622	10	·8344	·3937
12	·7374	*6982	12	•7588	6493	12	·7910	*5602	12	*8353	·3896
14	·7377	*6976	14	•7592	6482	14	·7916	*5582	14	*8361	·3855
16	·7380	*6970	16	•7597	6471	16	·7923	*5562	16	*8370	·3813
18	·7383	*6964	18	•7601	6460	18	·7929	*5542	18	*8378	·3771
20	·7386	*6958	20	•7606	6448	20	·7936	*5522	20	*8387	·3728
22	·7388	·6952	22	·7610	·6437	22	·7942	*5501	22	*8396	*3684
24	·7391	·6946	24	·7615	·6425	24	·7949	*5480	24	*8404	*3639
26	·7394	·6940	26	·7620	·6414	26	·7955	*5459	26	*8413	*3594
28	·7397	·6934	28	·7624	·6402	28	·7962	*5437	28	*8422	*3548
30	·7400	·6927	30	·7629	·6390	30	·7969	*5416	30	*8430	*3501
32	·7403	6921	32	.7634	•6378	32	•7975	*5394	32	*8439	·3454
34	·7406	6914	34	.7638	•6366	34	•7982	*5372	34	*8448	·3406
36	·7409	6908	36	.7643	•6354	36	•7989	*5350	36	*8457	·3357
38	·7412	6901	38	.7648	•6342	38	•7995	*5327	38	*8466	·3307
40	·7415	6894	40	.7653	•6329	40	•8002	*5304	40	*8475	·3256
42	•7418	•6888	42	•7658	·6317	42	·8009	•5281	42	*8484	*3205
44	•7421	•6881	44	•7663	·6304	44	·8016	•5258	44	*8493	*3152
46	•7424	•6874	46	•7668	·6291	46	·8023	•5234	46	*8502	*3099
48	•7428	•6867	48	•7673	·6278	48	·8030	•5211	48	*8511	*3045
50	•7431	•6859	50	•7678	·6265	50	·8037	•5186	50	*8520	*2989
52	·7434	·6852	52	•7683	·6252	52	*8044	*5162	52	*8530	·2933
54	·7437	·6845	54	•7688	·6239	54	*8051	*5137	54	*8539	·2876
56	·7441	·6838	56	•7693	·6225	56	*8058	*5112	56	*8548	·2817
58	·7444	·6830	58	•7698	·6212	58	*8065	*5087	58	*8558	·2758
4 0	7·7447	7·6823	6 0	7•7703	7·6198	8 0	7*8072	7*5062	10 0	7 *8567	7·2697

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560.		34111.		11111.		DE111.				2/1111		
ļ	0	1	2	3	4	5	6	7	8	9	10	11
0	Infinite.	1.38021 1.37303	1.07918 1.07558	90309 90069	77815 77635	68124 67980	60206 60086	53511 53408	47712 47622	42597 42517	38021 37949	33882 33816
1 2	3·15836 2·85733	1.36597	1.07200	89829	77455	67836	59966	53305	47532	42436	37877	33751
3	2.68124 2.55630	1.35902 1.35218	1.06846 1.06494	89591 89355	77276 77097	67692 67549	59846 59726	53202 53100	47442 47352	42356 42276	37805 37733	33685 33620
5	2.45939	1.34545	1.06145	89119	76920	67406	59607	52997	47262	42197	37661	33554
6	2.38021	1.33882	1.05799	88885	76743 76567	67264 67123	59488	52895	47173	42117 42038	37589	33489 33424
7 8	2·31327 2·25527	1.33229 1.32585	1.05456 1.05115	88652 88421	76391	66981	59370 59252	52794 52692	47083 46994	41958	37518 37446	33359
9	2·20412 2·15836	1·31951 1·31327	1.04777 1.04442	88190 87961	76216 76042	66841 66700	59134 59016	52591 52490	46905 46817	41879 41800	37375 37303	33294 33229
11	2.11697	1.30711	1.04109	87733	75869	66560	58899	52389	46728	41721	37232	33164
12	2.07918	1.30103	1.03779	87506	75696	66421	58782	52288	46640	41642	37161	33099
13 14	2·04442 2·01224	1.29504 1.28913	1.03451 1.03126	87281 87056	75524 75353	66282 66143	58665 58549	52188 52087	46552 46464	41564 41485	37090 37020	33035 32970
15	1.98227	1.58330	1.02803	86833	75182	66005	58433	51987	46376	41407	36949	32906
16 17	1.95424 1.92791	1.27755 1.27187	1.02482 1.02164	86611 86390	75012 74843	65868 65730	58318 58202	51888 51788	46288 46201	41329 41251	36878 36808	32842 32778
18	1.90309	1.26627	1.01848	86170	74674	65594	58087	51689	46113	41173	36738	32713
19 20	1.87961 1.85733	1.26074 1.25527	1.01535 1.01224	85951 85733	74506 74339	65457 65321	57972 57858	51590 51491	46026 45939	41095 41018	36667 36597	32649 32585
21	1.83614	1.24988	1.00914	85517	74172	65186	57744	51393	45853	40940	36527	32522
22	1.81594	1.24455 1.23929	1.00608	85301 85087	74006 73841	65051 64916	57630 57516	51294 51196	45766 45680	40863 40786	36457 36388	32458 32394
23 24	1.79664 1.77815	1.23408	1.00303	84873	73676	64782	57403	51098	45593	40709	36318	32331
25	1.76042	1.22894	0.99700	84661	73512	64648	57290	51000	45507	40632	36248	32267
26 27	1.74339 1.72700	1.22387 1.21884	0.99401 0.99105	84450 84239	73348 73185	64514 64382	57178 57065	50903 50806	45421 45336	40555 40478	36179 36110	32204 32141
28	1.71121	1.21388	0.98810	84030	73023	64249	56953	50709	45250	40402	36040	32078
29 30	1.69597 1.68124	1·20897 1·20412	0.98518 0.98227	83822 83614	72861 72700	64117 63985	56841 56730	50612 50515	45165 45079	40325 40249	35971 35902	32014 31951
31	1.66700	1.19932	0.97939	83408	72539	63854	56619	50419	44994	40173	35833	31889
32 33	1.65321 1.63985	1·19458 1·18988	0.97652 0.97367	83203 82998	72379 72220	63723 63592	56508 56397	50323 50227	44909 44825	40097 40021	35765 35696	31826 31763
34	1 62688	1.18524	0.97084	82795	72061	63462	56287	50131	44740	39945	35627	31700
35	1.61430	1·18064 1·17609	0.96803 0.96524	82593 82391	71903	63332 63202	56177 56067	50035 49940	44656 44571	39870 39794	35559 35491	31638 31575
36 37	1.59016	1.17159	0.96246	82190	71745 71588	63073	55957	49845	44487	39719	35422	31513
38 39	1.57858 1.56730	1·16714 1·16273	0.95971 0.95697	81991 81792	$71432 \\ 71276$	62945 62816	55848 55739	49750 49655	44403 44320	39644 39569	35354 35286	31451 31389
40	1.55630	1.15836	0.95424	81594	71121	62688	55630	49560	44236	39494	35218	31327
41	1.54558	1.15404	0.95154	81397	70966	62561	55522	49466	44153	39419	35151	31265
42	1.53511 1.52490	1·14976 1·14554	0.94885 0.94618	81201 81006	70811 70658	62434 62307	55414 55306	49372 49278	44069 43986	39344 39270	35083 35015	31203 31141
44	1.51491 1.50515	1·14133 1·13717	0.94352 0.94088	80812 80618	70505 70352	62181 62054	55198° 55091	49185 49091	43903 43820	39195 39121	34948 34880	31079 31017
45	1.49561	1.13306	0.93826	80426	70200	61929	54984	48998	43738	39047	34813	30956
47	1.48627	1.12898	0.93565	80234	70048	61803	54877	48905	43655	38973	34746	30894
48 49	1·47712 1·46817	1·12494 1·12094	0.93305 0.93048	80043 79853	69897 69747	61678 61554	54770 54664	48812 48719	43573 43491	38899 38825	34679 34612	30833 30772
50	1.45939	1.11697	0.92791	79664	69597	61430	54558	48627	43409	38751	34545	30710
51 52	1.45079 1.44236	1·11304 1·10915	0.92537 0.92284	79475 79288	69447 69298	61306 61182	54452 54347	48534 48442	43327 43245	38678 38604	34478 34412	30649 30588
53	1.43409	1.10529	0.92032	79101	69150	61059	54241	48350	43164	38531	34345	30527
54 55	1·42597 1·41800	1·10146 1·09767	0.91781 0.91533	78915 78730	69002 68854	60936 60814	54136 54032	48259 48167	43082 43001	38458 38385	34279 34212	30467 30406
56	1.41018	1.09391	0.91285	78545	68707	60691	53927	48076	42920	38312	34146	30345
57 58	1.40249	1.09018	0.91039	78362	68561	60570	53823	47985	42839	38239	34080	30284
59	1·39494 1·38751	1.08648 1.08282	0.90794 0.90551	78179 77 9 97	68415 68269	60448 60327	53719 53615	47894 47803	42758 42677	38166 38094	34014 33948	30224 30163
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0	12 30103	13	14	15	16	17	18	19	20	21	22	23
1	30043	26627 26571	23408 23357	20412 20364	17609 17564	$14976 \\ 14934$	12494 12454	10146 10108	07918 7882	05799 5765	03779 3746	01848 1817
2 3	29983 29923	26516	23305	20316	17519	14891	12414	10070	7846	5730	3713	1786
4	29863	26460 26405	$23254 \\ 23202$	20268 20220	$17474 \\ 17429$	14849 14806	12374 12333	10032 9994	7810 7774	5696 5662	3680 3648	1754 1723
5	29803	26349	23151	20172	17384	14764	12293	9956	7738	5627	3615	1691
6 7	29743 29683	26294 26239	23099 23048	20124 20076	17339 17294	$14722 \\ 14679$	12253 12213	9918	7702	5593	3582	1660
8	29623	26184	22997	20028	17249	14637	12173	9880 9842	7666 7630	5559 5524	3549 3517	1629 1597
9	29564 29504	26129 26074	22946 22894	19980 19932	17204 17159	14595 14553	12134 12094	980 4 97 6 7	7594 7558	5490 5456	3484 3451	1566 1535
11	29445	26019	22843	19885	17114	14511	12054	9729	7522	5422	3419	1504
12 13	29385 29326	25964	22792	19837	17070	14468	12014	9691	7486	5388	3386	1479
14	29267	25909 25854	$22741 \\ 22691$	19789 19742	17025 16980	14426 14384	$11974 \\ 11935$	9653 9616	7450 7415	5354 5319	3353 3321	1441 1410
15	29208	25800	22640	19694	16936	14342	11895	9578	7379	5285	3288	1378
16 17	29149 29090	25745 25691	22589 22538	19647 19599	16891 16847	14300 14258	11855 11816	9541 9503	7343 7307	5251 5217	3256 3223	1348 1317
18	29031	25636	22488	19552	16802	14217	11776	9466	7272	5183	3191	1286
19 20	28972 28913	25582 25527	22437 22387	19505 19458	16758 16714	$14175 \\ 14133$	11737 11697	$9428 \\ 9391$	7236 7200	5149 5115	3158 3126	1255
21	28855	25473	22336	19410	16669	14091	11658	9353	7165	5081	3093	1193
22 23	28796	25419	22286 22235	19363	16625	14050	11618	9316	7129	5048	3061	1169
24	28737 28679	$25365 \\ 25311$	22185	19316 19269	16581 16537	14008 13966	11579 11539	$9278 \\ 9241$	7094 7058	5014 4980	3029 2996	1131
25	28621	25257	22135	19222	16493	13925	11500	9204	7023	4946	2964	1069
26 27	28562 28504	25203 25149	22085 22034	19175 19128	16449 16405	13883 13842	$11461 \\ 11422$	$9167 \\ 9129$	698 7 6952	4912 4879	2932 2900	1038
28	28446	25095	21984	19082	16361	13800	11382	9092	6917	4845	2867	976
29 30	28388 28330	25042 24988	21934 21884	19035 18988	16317 16273	13759 13717	11343 11304	9055 9018	6881 6846	4811 4777	2835 2803	944
31	28272	24934	21835	18941	16229	13676	11265	8981	6811	4744	2771	88
32 33	28215 28157	24881 24827	$21785 \\ 21735$	18895 18848	16185 16141	$13635 \\ 13594$	11226 11187	8944 8907	6775 6740	4710 4677	2739 2707	858 828
34	28099	24774	21685	18802	16098	13552	11148	8870	6705	4643	2675	79:
85	28042	24721	21636	18755	16054	13511	11109	8833	6670	4609	2642	76
36 37	27984 27927	24667 24614	21586 21536	18709 18662	16010 15967	13470 13429	11070 11031	8796 8759	6634 6599	4576 4542	2610 2578	730 699
38	27869	24561	21487	18616	15923	13388	10992	8722	6564	4509	2546	669
39 40	27812 27755	$24508 \\ 24455$	21437 21388	$18570 \\ 18524$	15880 15836	13347 13306	10953 10915	8685 8648	6529 6494	4475 4442	$2514 \\ 2482$	638 608
41	27698	24402	21339	18477	15793	13265	10876	8611	6459	4409	2451	577
42	27641 27584	24349 24296	21290 21240	18431 18385	$15750 \\ 15706$	13224 13183	10837 10798	8575 8538	6424 6389	$4375 \\ 4342$	2419 2387	546 516
44	27527	24244	21191	18339	15663	13142	10760	8501	6354	4309	2355	48
45	27470	24191	21142	18293	15620	13101	10721	8465	6319 6285	4275 4242	2323 2291	454
46 47	27413 27357	24138 24086	$21093 \\ 21044$	18247 18201	15577 15533	13061 13020	10683 10644	8428 8391	6250	4209	2260	394
48	27300 27244	24033 23981	20995 20946	18156 18110	15490 15447	12979 12939	10605 10567	8355 8318	6215 6180	4176 4142	2228 2196	364 333
49 50	27244	23929	20897	18064	15447	12898	10529	8282	6145	4109	2164	303
51	27132	23876	20849	18018	15361	12857	10490	8245	6111	4076	2133	272
52 53	27075 27018	$23824 \\ 23772$	$20800 \\ 20751$	17973 17927	15318 15275	$12817 \\ 12776$	$10452 \\ 10413$	8209 8172	$6076 \\ 6041$	4043 4010	2101 2069	242
54	26962	23720	20703	17882	15233	12736	10375	8136 8100	6007 5972	3977 3944	2038 2006	181 151
55	26906	23668	20654 20606	17836	15190 15147	12696 12655	10337 10299	8100	5972	3911	1975	121
56 57	26850 26794	$23616 \\ 23564$	20557	$17791 \\ 17745$	15104	12615	10260	8027	5903	3878	1943	91
58 59	26738 26683	23512 23460	20509 20460	17700 17655	15062 15019	12574 12534	10222 10184	7991 7954	5868 58 34	3845 3812	1911 1880	60

O DEGREE, OR O HOUR.

				U DEGR	EE, OR	0 1100	R.			
"	0′	1′	2′	3′	4′	5′	6′	7′	8′	9′
0	Infinite.	2·25527	1.95424	1.77815	1.65321	1.55630	1:47712	1·41017	1.35218	1·30103
1	4·03342	2·24809	1.95064	1.77575	1.65141	1.55486	1:47592	1·40914	1.35128	1·30023
2	3·73239	2·24103	1.94706	1.77335	1.64961	1.55342	1:47472	1·40811	1.35038	1·29942
3	3·55630	2·23408	1.94352	1.77097	1.64782	1.55198	1:47352	1·40708	1.34948	1·29862
4	3·43136	2·22724	1.94000	1.76861	1.64603	1.55055	1:47232	1·40606	1.34858	1·29782
5	3·33445	2·22051	1.93651	1.76625	1.64426	1.54912	1:47113	1·40503	1.34768	1·29703
6	3·25527	2·21388	1.93305	1.76391	1.64249	1.54770	1:46994	1.40401	1.34679	1·29623
7	3·18833	2·20735	1.92962	1.76158	1.64073	1.54629	1:46876	1.40300	1.34589	1·29544
8	3·13033	2·20091	1.92621	1.75927	1.63897	1.54487	1:46758	1.40198	1.34500	1·29464
9	3·07918	2·19457	1.92283	1.75696	1.63722	1.54347	1:46640	1.40097	1.34411	1·29385
10	3·03342	2·18833	1.91948	1.75467	1.63548	1.54206	1:46522	1.39996	1.34323	1·29306
11	2.99203	2·18217	1.91615	1.75239	1.63375	1.54066	1.46405	1·39895	1·34234	1.29227
12	2.95424	2·17609	1.91285	1.75012	1.63202	1.53927	1.46288	1·39794	1·34146	1.29148
13	2.91948	2·17010	1.90957	1.74787	1.63030	1.53788	1.46171	1·39694	1·34058	1.29070
14	2.88730	2·16419	1.90632	1.74562	1.62859	1.53649	1.46055	1·39593	1·33970	1.28991
15	2.85733	2·15836	1.90309	1.74339	1.62688	1.53511	1.45939	1·39493	1·33882	1.28913
16	2·82930	2·15261	1.89988	1.74117	1.62518	1.53374	1.45824	1:39394	1.33794	1.28835
17	2·80297	2·14693	1.89670	1.73896	1.62349	1.53236	1.45708	1:39294	1.33707	1.28757
18	2·77815	2·14133	1.89354	1.73676	1.62180	1.53100	1.45593	1:39195	1.33619	1.28679
19	2·75467	2·13580	1.89041	1.73457	1.62012	1.52963	1.45478	1:39096	1.33532	1.28601
20	2·73239	2·13033	1.88730	1.73239	1.61845	1.52827	1.45364	1:38997	1.33445	1.28524
21	2·71120	2·12494	1.88420	1.73023	1.61678	1.52692	1.45250	1.38899	1·33359	1·28446
22	2·69100	2·11961	1.88114	1.72807	1.61512	1.52557	1.45136	1.38800	1·33272	1·28369
23	2·67170	2·11435	1.87809	1.72593	1.61347	1.52422	1.45022	1.38702	1·33186	1·28292
24	2·65321	2·10914	1.87506	1.72379	1.61182	1.52288	1.44909	1.38604	1·33099	1·28215
25	2·63548	2·10400	1.87206	1.72167	1.61018	1.52154	1.44796	1.38506	1·33013	1·28138
26	2.61845	2.09893	1.86907	1.71956	1.60854	1.52021	1·44684	1:38409	1·32927	1·28061
27	2.60206	2.09390	1.86611	1.71745	1.60691	1.51888	1·44571	1:38312	1·32842	1·27984
28	2.58627	2.08894	1.86316	1.71536	1.60529	1.51755	1·44459	1:38215	1·32756	1·27908
29	2.57103	2.08403	1.86024	1.71328	1.60367	1.51623	1·44347	1:38118	1·32671	1·27831
30	2.55630	2.07918	1.85733	1.71120	1.60206	1.51491	1·44236	1:38021	1·32585	1·27755
31	2.54206	2.07438	1.85445	1.70914	1.60045	1.51360	1.44125	1·37925	1·32500	1·27679
32	2.52827	2.06964	1.85158	1.70709	1.59885	1.51229	1.44014	1·37829	1·32415	1·27603
33	2.51491	2.06494	1.84873	1.70504	1.59726	1.51098	1.43903	1·37733	1·32331	1·27527
34	2.50194	2.06030	1.84590	1.70301	1.59567	1.50968	1.43793	1·37637	1·32246	1·27451
35	2.48936	2.05570	1.84309	1.70099	1.59409	1.50838	1.43683	1·37541	1·32162	1·27376
36	2·47712	2.05115	1.84030	1.69897	1.59251	1.50708	1·43573	1·37446	1·32077	1.27300
37	2·46522	2.04665	1.83752	1.69696	1.59094	1.50579	1·43463	1·37351	1·31993	1.27225
38	2·45364	2.04220	1.83477	1.69497	1.58938	1.50451	1·43354	1·37256	1·31909	1.27150
39	2·44236	2.03779	1.83203	1.69298	1.58782	1.50322	1·43245	1·37161	1·31826	1.27075
40	2·43136	2.03342	1.82930	1.69100	1.58627	1.50194	1·43136	1·37067	1·31742	1.27000
41	2·42064	2.02910	1 82660	1.68903	1.58472	1.50067	1·43028	1:36972	1:31659	1·26925
42	2·41017	2.02482	1 82391	1.68707	1.58317	1.49940	1·42920	1:36878	1:31575	1·26850
43	2·39996	2.02060	1 82124	1.68512	1.58164	1.49813	1·42812	1:36784	1:31492	1·26776
44	2·38997	2.01639	1 81858	1.68318	1.58011	1.49687	1·42704	1:36691	1:31409	1·26701
45	2·38021	2.01223	1 81594	1.68124	1.57858	1.49560	1·42597	1:36597	1:31326	1·26627
46	2·37067	2.00812	1.81332	1.67932	1.57706	1.49435	1.42490	1·36504	1:31244	1.26553
47	2·36133	2.00404	1.81071	1.67740	1.57554	1.49309	1.42383	1·36411	1:31161	1.26479
48	2·35218	2.00000	1.80811	1.67549	1.57403	1.49184	1.42276	1·36318	1:31079	1.26405
49	2·34323	1.99600	1.80554	1.67359	1.57253	1.49060	1.42170	1·36225	1:30997	1.26331
50	2·33445	1.99203	1.80297	1.67170	1.57103	1.48936	1.42064	1·36133	1:30915	1.26257
51	2·32585	1 98810	1.80043	1.66981	1.56953	1.48812	1.41958	1·36040	1·30833	1.26184
52	2·31742	1 98421	1.79790	1.66794	1.56804	1.48688	1.41853	1·35948	1·30751	1.26110
53	2·30915	1 98035	1.79538	1.66607	1.56656	1.48565	1.41747	1·35856	1·30670	1.26037
54	2·30103	1 97652	1.79287	1.66421	1.56508	1.48442	1.41642	1·35765	1·30588	1.25964
55	2·29306	1 97273	1.79039	1.66236	1.56360	1.48320	1.41538	1·35673	1·30507	1.25891
56	2·28524	1.96897	1.78791	1.66051	1.56213	1·48197	1.41433	1·35582	1:30426	1·25818
57	2·27755	1.96524	1.78545	1.65868	1.56067	1·48076	1.41329	1·35491	1:30345	1·25745
58	2·27000	1.96154	1.78300	1.65685	1.55921	1·47954	1.41225	1·35400	1:30264	1·25672
59	2·26257	1.95788	1.78057	1.65503	1.55775	1·47833	1.41121	1·35309	1:30183	1·25600
60	2·25527	1.95424	1.77815	1.65321	1.55630	1·47712	1.41017	1·35218	1:30103	1·25527

0	DEGREE,	OR	0	Hour.
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				U DEGE	EE, OR	O Hot) R.			
"	10′	11'	12'	13'	14'	15′	16'	17′	18′	19'
0	1.25527	1·21388	1·17609	1·14133	1·10914	1.07918	1.05115	1.02482	1.00000	0.97652
1	1.25455	1·21322	1·17549	1·14077	1·10863	1.07870	1.05070	1.02440	0.99960	0.97614
2	1.25383	1·21257	1·17489	1·14022	1·10811	1.07822	1.05025	1.02397	0.99920	0.97576
3	1.25311	1·21191	1·17429	1·13966	1·10760	1.07774	1.04980	1.02355	0.99880	0.97538
4	1.25239	1·21126	1·17369	1·13911	1·10708	1.07726	1.04935	1.02312	0.99839	0.97500
5	1.25167	1·21060	1·17309	1·13855	1·10657	1.07678	1.04890	1.02270	0.99799	0.97462
6	1·25095	1·20995	1·17249	1·13800	1·10605	1.07630	1.04845	1.02228	0.99759	0.97424
7	1·25024	1·20930	1·17189	1·13745	1·10554	1.07582	1.04800	1.02185	0.99719	0.97386
8	1·24952	1·20865	1·17129	1·13690	1·10503	1.07534	1.04755	1.02143	0.99679	0.97348
9	1·24881	1·20800	1·17070	1·13635	1·10452	1.07486	1.04710	1.02101	0.99640	0.97310
10	1·24809	1·20735	1·17010	1·13580	1·10400	1.07438	1.04665	1.02059	0.99600	0.97273
11	1·24738	1.20670	1·16951	1·13525	1·10349	1:07391	1:04620	1.02017	0.99560	0.97235
12	1·24667	1.20605	1·16891	1·13470	1·10298	1:07343	1:04576	1.01974	0.99520	0.97197
13	1·24596	1.20541	1·16832	1·13415	1·10247	1:07295	1:04531	1.01932	0.99480	0.97159
14	1·24526	1.20476	1·16773	1·13360	1·10197	1:07248	1:04486	1.01890	0.99441	0.97122
15	1·24455	1.20412	1·16714	1·13306	1·10146	1:07200	1:04442	1.01848	0.99401	0.97084
16	1.24384	1.20348	1·16655	1·13251	1·10095	1.07153	1:04397	1.01806	0.99361	0.97047
17	1.24314	1.20284	1·16596	1·13197	1·10044	1.07105	1:04353	1.01764	0.99322	0.97009
18	1.24244	1.20219	1·16537	1·13142	1·09994	1.07058	1:04308	1.01723	0.99282	0.96972
19	1.24173	1.20155	1·16478	1·13088	1·09943	1.07011	1:04264	1.01681	0.99243	0.96934
20	1.24103	1.20091	1·16419	1·13033	1·09893	1.06964	1:04220	1.01639	0.99203	0.96897
21	1·24033	1·20028	1.16361	1·12979	1.09842	1.06916	1.04175	1.01597	0.99164	0.96859
22	1·23963	1·19964	1.16302	1·12925	1.09792	1.06869	1.04131	1.01556	0.99124	0.96822
23	1·23894	1·19900	1.16243	1·12871	1.09741	1.06822	1.04087	1.01514	0.99085	0.96784
24	1·23824	1·19837	1.16185	1·12817	1.09691	1.06775	1.04043	1.01472	0.99045	0.96747
25	1·23754	1·19773	1.16127	1·12763	1.09641	1.06728	1.03999	1.01431	0.99006	0.96710
26	1.23685	1·19710	1.16068	1·12709	1.09591	1.06681	1.03955	1.01389	0.98967	0.96673
27	1.23616	1·19647	1.16010	1·12655	1.09540	1.06634	1.03911	1.01348	0.98928	0.96635
28	1.23546	1·19584	1.15952	1·12601	1.09490	1.06588	1.03867	1.01306	0.98888	0.96598
29	1.23477	1·19520	1.15894	1·12548	1.09440	1.06541	1.03823	1.01265	0.98849	0.96561
30	1.23408	1·19457	1.15836	1·12494	1.09390	1.06494	1.03779	1.01223	0.98810	0.96524
31	1·23339	1·19395	1·15778	1·12440	1.09341	1.06447	1.03735	1.01182	0.98771	0.96487
32	1·23271	1·19332	1·15721	1·12387	1.09291	1.06401	1.03691	1.01141	0.98732	0.96450
33	1·23202	1·19269	1·15663	1·12333	1.09241	1.06354	1.03647	1.01100	0.98693	0.96413
34	1·23133	1·19206	1·15605	1·12280	1.09191	1.06308	1.03604	1.01058	0.98654	0.96376
35	1·23065	1·19144	1·15548	1·12227	1.09142	1.06261	1.03560	1.01017	0.98615	0.96339
36	1·22997	1·19081	1·15490	1·12173	1.09092	1.06215	1.03516	1:00976	0.98576	0.96302
37	1·22928	1·19019	1·15433	1·12120	1.09042	1.06168	1.03473	1:00935	0.98537	0.96265
38	1·22860	1·18957	1·15375	1·12067	1.08993	1.06122	1.03429	1:00894	0.98498	0.96228
39	1·22792	1·18895	1·15318	1·12014	1.08943	1.06076	1.03386	1:00853	0.98459	0.96191
40	1·22724	1·18833	1·15261	1·11961	1.08894	1.06030	1.03342	1:00812	0.98421	0.96154
41	1·22657	1·18771	1·15204	1·11908	1.08845	1.05983	1.03299	1.00771	0.98382	0.96117
42	1·22589	1·18709	1·15147	1·11855	1.08796	1.05987	1.03256	1.00730	0.98343	0.96081
43	1·22521	1·18647	1·15090	1·11802	1.08746	1.05891	1.03212	1.00689	0.98304	0.96044
44	1·22454	1·18585	1·15033	1·11750	1.08697	1.05845	1.03169	1.00648	0.98266	0.96007
45	1·22386	1·18523	1·14976	1·11697	1.08648	1.05799	1.03126	1.00607	0.98227	0.95971
46	1·22319	1·18462	1·14919	1·11644	1.08599	1.05753	1.03083	1.00567	0.98189	0.95934
47	1·22252	1·18400	1·14863	1·11592	1.08550	1.05707	1.03039	1.00526	0.98150	0.95897
48	1·22185	1·18339	1·14806	1·11539	1.08501	1.05662	1.02996	1.00485	0.98111	0.95861
49	1·22118	1·18278	1·14750	1·11487	1.08452	1.05616	1.02953	1.00445	0.98073	0.95824
50	1·22051	1·18217	1·14693	1·11435	1.08403	1.05570	1.02910	1.00404	0.98035	0.95788
51	1.21984	1.17912	1·14637	1·11382	1.08355	1.05524	1.02867	1.00363	0.97996	0.95751
52	1.21918		1·14581	1·11330	1.08306	1.05479	1.02824	1.00323	0.97958	0.95715
53	1.21851		1·14524	1·11278	1.08257	1.05433	1.02781	1.00282	0.97919	0.95678
54	1.21785		1·14468	1·11226	1.08209	1.05388	1.02739	1.00242	0.97881	0.95642
55	1.21718		1·14412	1·11174	1.08160	1.05342	1.02696	1.00202	0.97843	0.95606
56 57 58 59 60	1.21652 1.21586 1.21520 1.21454 1.21388	1·17790 1·17730 1·17669	1·14356 1·14300 1·14244 1·14189 1·14133	1·11122 1·11070 1·11018 1·10966 1·10914			1.02653 1.02610 1.02568 1.02525 1.02482	1.00161 1.00121 1.00080 1.00040 1.00000	0.97805 0.97766 0.97728 0.97690 0.97652	0.95569 0.95533 0.95497 0.95460 0.95424

0	DEGREE,	or 0	Hour.
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"	20′	21'	22'	23′	24'	25'	26′	27'	28'	29'
0	95424	93305	91285	89354	87506	85733	84030	82391	80811	79287
1	95388	93271	91252	89323	87476	85704	84002	82364	80786	79262
2 3	95352 95316	93236 93202	91219 91186	89292 89260	87446	85675 85646	83974 83946	82337 82311	80760 80734	79238
4	95280	93202	91150	89200	87416 87386	85618	83919	82311	80708	79213 79188
5	95244	93133	91121	89197	87356	85589	83891	82257	80682	79163
6	95208	93099	91088	89166	87326	85560	83863	82230	80657	79138
7	95172	93065	91055	89135	87296	85531	83835	82204	80631	79113
8 9	95136 95100	93030 92996	91023 90990	89103 89072	87266 87236	85502 85473	83808 83780	82177 82150	80605 80579	79088 79063
0	95064	92962	90957	89041	87206	85445	83752	82124	80554	79039
1	95028	92928	90925	89010	87176	85416	83725	82097	80528	79014
2	94992	92894	90892	88978	87146	85387	83697	82070	80502	78989
13	94956	92860	90859	88947	87116	85358	83670	82044	80477	78964
14 15	94921 94885	92825 92791	90827 90794	88916 88885	87086 87056	85330 85301	$83642 \\ 83614$	82017 81991	80451 80425	78939 78915
16	94849	92757	90762	88854	87026	85272	83587	81964	80400	78890
17	94813	92723	90729	88823	86996	85244	83559	81938	80374	78865
18	94778	92689	90697	88792	86967	85215	83532	81911	80349	78840
19	94742	92655	90664	88761	86937	85187	83504	81884	80323	78816
20	94706	92621	90632	88730	86907	85158	83477	81858	80297	78791
21	94671 94635	92587 92554	90599 90567	88699 88668	86877 86848	85129 85101	83449 83422	81832	80272	78766
22 23	94600	92520	90535	88637	86818	85072	83394	81805 81779	80246 80221	78742 78717
24	94564	92486	90502	88606	86788	85044	83367	81752	80195	78693
25	94529	92452	90470	88575	86759	85015	83339	81726	80170	78668
26	94493	92418	90438	88544	86729	84987	83312	81699	80144	78643
27	94458	92385	90406	88513	86699	84958	83285	81673	80119	78619
28 29	94423 94387	92351 92317	90373 90341	88482 88451	86670 86640	84930 84902	83257 83230	81647 81620	80094 80068	78594 78570
30	94352	92283	90309	88420	86611	84873	83203	81594	80043	78548
31	94317	92250	90277	88390	86581	84845	83175	81568	80017	78521
32	94281	92216	90245	88359	86552	84816	83148	81541	79992	78496
33	94246 94211	92183 92149	90213	88328 88297	86522 86493	84788	83121	81515	79967	78479
34 35	94176	92115	90181 90148	88267	86463	84760 84732	83094 83066	81489 81463	79941 79916	78447 7842
36	94141	92082	90116	88236	86434	84703	83039	81436	79891	7839
37	94105	92048	90084	88205	86404	84675	83012	81410	79865	7837
38	94070	92015	90052	88175	86375	84647	82985	81384	79840	7834
39	94035 94000	91981 91948	90020 89988	88144 88114	86346 86316	84619 84590	82958 82930	81358	79815	7832
40	93965				86287			81332	79790	78300
41 42	93930	91915 91881	89957 89925	88083 88052	86258	84562 84534	82903 82876	81305 81279	79764 79739	78276 78255
43	93895	91848	89893	88022	86228	84506	82849	81253	79714	7822
14	93860	91815	89861	87991	86199	84478	82822	81227	79689	7820
15	93825	91781	89829	87961	86170	84450	82795	81201	79663	7817
46	93791	91748	89797	87930	86140	84421	82768	81175	79638	7815
47 48	93756 93721	$91715 \\ 91682$	89766 89734	87900 87870	86111 86082	84393 84365	82741 82714	81149 81123	79613 79588	7813 7810
48 49	93686	91648	89702	87839	86053	84337	82687	81097 -	79563	7810
50	93651	91615	89670	87809	86024	84309	82660	81071	79538	7805
51	93617	91582	89639	87778	85995	84281	82633	81045	79513	7803
52 53	93582 93547	91549 91516	89607 89575	87748 87718	85965 85936	84253 84225	82606 82579	81019	79488	7800
53 54	93513	91483	89544	87687	85907	84197	82552	80993 80967	79463 79437	77984 77960
55	93478	91450	89512	87657	85878	84169	82525	80941	79412	7793
56	93443	91417	89481	87627	85849	84141	82498	80915	79387	7791
57	93409	91384	89449	87597	85820	84114	82471	80889	79362	77888
58	93374	91351	89417	87566	85791	84086	82445	80863	79337	7786
59 60	93340 93305	91318 91285	89386 89354	87536 87506	85762 85733	84058 84030	82418 82391	80837 80811	79312 79287	77839
UU	00000	01200	00004	91000	00100	04000	04001	ONOTT	10401	77818

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"	30′	31′	32'	33′	34'	35'	36′	37′	38'	39′
0	77815	76391	75012	73676	72379 72358 72337 72316 72294 72273	71120	69897	68707	67549	66421
1	77791	76368	74990	73654		71100	69877	68688	67530	66402
2	77767	76344	74967	73632		71079	69857	68668	67511	66384
3	77743	76321	74944	73610		71058	69837	68648	67492	66365
4	77719	76298	74922	73588		71038	69817	68629	67473	66347
5	77695	76274	74899	73 566		71017	69797	68609	67454	66328
6	77671	76251	74877	73544	72252	70997	69777	68590	67435	66310
7	77647	76228	74854	73523	72231	70976	69756	68570	67416	66291
8	77623	76205	74832	73501	72209	70955	69736	68551	67397	66273
9	77599	76181	74809	73479	72188	70935	69716	68531	67378	66254
10	77575	76158	74787	73457	72167	70914	69696	68512	67359	66236
11	77551	76135	74764	73435	72146	70894	69676	68492	67340	66217
12	77527	76112	74742	73413	72125	70873	69656	68473	67321	66199
13	77503	76089	74719	73392	72103	70852	69636	68454	67302	66180
14	77479	76065	74697	73370	72082	70832	69616	68434	67283	66162
15	77455	76042	74674	73348	72061	70811	69596	68415	67264	66143
16	77431	76019	74652	73326	72040	70791	69576	68395	67245	66125
17	77407	75996	74629	73305	72019	70770	69557	68376	67226	66106
18	77383	75973	74607	73283	71998	70750	69537	68356	67207	66088
19	77359	75950	74585	73261	71977	70729	69517	68337	67188	66070
20	77335	75927	74562	73239	71956	70709	69497	68318	67170	66051
21	77311	75903	74540	73218	71935	70688	69477	68298	67151	66033
22	77288	75880	74517	73196	71914	70668	69457	68279	67132	66014
23	77264	75857	74495	73174	71892	70647	69437	68259	67113	65996
24	77240	75834	74473	73153	71871	70627	69417	68240	67094	65978
25	77216	75811	74450	73131	71850	70606	69397	68221	67075	65959
26	77192	75788	74428	73109	71829	70586	69377	68201	67056	65941
27	77169	75765	74406	73088	71808	70566	69358	68182	67038	65923
28	77145	75742	74383	73066	71787	70545	69338	68163	67019	65904
29	77121	75719	74361	73044	71766	70525	69318	68143	67000	65886
30	77097	75696	74339	73023	71745	70504	69298	68124	66981	65868
31	77074	75673	74317	73001	71724	70484	69278	68105	66962	65849
32	77050	75650	74294	72980	71703	70464	69258	68086	66944	65831
33	77026	75627	74272	72958	71682	70443	69239	68066	66925	65813
34	77002	75604	74250	72936	71662	70423	69219	68047	66906	65794
35	76979	75581	74228	72915	71641	70403	69199	68028	66887	65776
36	76955	75559	74205	72893	71620	70382	69179	68008	66869	65758
37	76931	75536	74183	72872	71599	70362	69159	67989	66850	65739
38	76908	75513	74161	72850	71578	70342	69140	67970	66831	65721
39	76884	75490	74139	72829	71557	70321	69120	67951	66812	65703
40	76861	75467	74117	72807	71536	70301	69100	67932	66794	65685
41	76837	75444	74095	72786	71515	70281	69080	67912	66775	65666
42	76813	75421	74072	72764	71494	70260	69061	67893	66756	65648
43	76790	75398	74050	72743	71473	70240	69041	67874	66737	65630
44	76766	75376	74028	72721	71453	70220	69021	67855	66719	65612
45	76743	75353	74006	72700	71432	70200	69002	67836	66700	65594
46	76719	75330	73984	72678	71411	70179	68982	67816	66681	65575
47	76696	75307	73962	72657	71390	70159	68962	67797	66663	65557
48	76672	75285	73940	72636	71369	70139	68942	67778	66644	65539
49	76649	75262	73918	72614	71349	70119	68923	67759	66625	65521
50	76625	7 5239	73896	72593	71328	70099	68903	67740	66607	65503
51	76602	75216	73874	72571	71307	70078	68884	67721	66538	65484
52	76578	75194	73852	72550	71286	70058	68864	67702	66570	65466
53	76555	75171	73830	72529	71265	70038	68844	67682	66551	65448
54	76531	75148	73808	72507	71245	70018	68825	67663	66532	65430
55	76508	75126	73786	72486	71224	69998	68805	67644	66514	65412
56	76485	75103	73764	72465	71203	69977	68785	67625	66495	65394
57	76461	75080	73742	72443	71183	69957	68766	67606	66477	65376
58	76438	75058	73720	72422	71162	69937	68746	67587	66458	65357
59	76414	75035	73698	72401	71141	69917	68727	67568	66439	65339
60	76391	75 012	73676	72379	71120	69897	68707	67549	66421	65321

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					U DEGR	EE, OR	0 1100				
1	"	40′	41'	42'	43′	44'	45′	46′	47′	48'	49′
	0	65321	64249	63202	62180	61182	60206	59251	58317	57403	56508
	1	65303	64231	63185	62164	61166	60190	59236	58302	57388	56493
	2	65285	64214	63168	62147	61149	60174	59220	58287	57373	56478
	3	65267	64196	63151	62130	61133	60158	59204	58271	57358	56463
	4	65249	64178	63133	62113	61116	60142	59189	58256	57343	56449
	5	65231	64161	63116	62096	61100	60126	59173	58241	57328	56434
1	6 7 8 9	65213 65195 65177 65159 65141	64143 64125 64108 64090 64073	63099 63082 63065 63047 63030	62080 62063 62046 62029 62012	61083 61067 61051 61034 61018	60110 60094 60078 60061 60045	59157 59141 59126 59110 59094	58225 58210 58194 58179 58164	57313 57298 57283 57268 57253	56419 56404 56390 56375 56360
	11	65123	64055	63013	61996	61001	60029	59079	58148	57238	56345
	12	65105	64038	62996	61979	60985	60013	59063	58133	57223	56331
	13	65087	64020	62979	61962	60969	59997	59047	58118	57208	56316
	14	65069	64002	62962	61945	60952	59981	59032	58102	57193	56301
	15	65051	63985	62945	61929	60936	59965	59016	58087	57178	56287
	16 17 18 19	65033 65015 64997 64979 64961	63967 63950 63932 63915 63897	62927 62910 62893 62876 62859	61912 61895 61878 61862 61845	60920 60903 60887 60871 60854	59949 59933 59917 59901 59885	59000 58985 58969 58954 58938	58072 58056 58041 58026 58011	57163 57148 57133 57118 57103	56272 56257 56243 56228 56213
4	21	64943	63880	62842	61828	60838	59870	58922	57995	57088	56199
	22	64925	63862	62825	61812	60822	59854	58907	57980	57073	56184
	23	64907	63845	62808	61795	60805	59838	58891	57965	57058	56169
	24	64889	63827	62791	61778	60789	59822	58875	57949	57043	56155
	25	64871	63810	62774	61762	60773	59806	58860	57934	57028	56140
9	26	64853	63792	62757	61745	60756	59790	58844	57919	57013	56125
	27	64835	63775	62739	61728	60740	59774	58829	57904	56998	56111
	28	64818	63757	62722	61712	60724	59758	58813	57888	56983	56096
	29	64800	63740	62705	61695	60708	59742	58798	57873	56968	56081
	30	64782	63722	62688	61678	60691	59726	58782	57858	56953	56067
	31	64764	63705	62671	61662	60675	59710	58766	57843	56938	56052
	32	64746	63688	62654	61645	60659	59694	58751	57827	56923	56037
	33	64728	63670	62637	61628	60642	59678	58735	57812	56908	56023
	34	64710	63653	62620	61612	60626	59663	58720	57797	56893	56008
	35	64692	63635	62603	61595	60610	59647	58704	57782	56879	55994
	36	64675	63618	62586	61579	60594	59631	58689	57767	56864	55979
	37	64657	63601	62569	61562	60578	59615	58673	57751	56849	55964
	38	64639	63583	62552	61545	60561	59599	58658	57736	56834	55950
	39	64621	63566	62535	61529	60545	59583	58642	57721	56819	55935
	40	64603	63548	62518	61512	60529	59567	58627	57706	56804	55921
	41	64586	63531	62501	61496	60513	59551	58611	57691	56789	55906
	42	64568	63514	62484	61479	60496	59536	58596	57675	56774	55892
	43	64550	63496	62468	61463	60480	59520	58580	57660	56759	55877
	44	64532	63479	62451	61446	60464	59504	58565	57645	56745	55862
	45	64514	63462	62434	61429	60448	59488	58549	57630	56730	55848
	46	64497	63444	62417	61413	60432	59472	58534	57615	56715	55833
	47	64479	63427	62400	61396	60416	59457	58518	57600	56700	55819
	48	64461	63410	62383	61380	60399	59441	58503	57584	56685	55804
	49	64443	63392	62366	61363	60383	59425	58487	57569	56670	55790
	50	64426	63375	62349	61347	60367	59409	58472	57554	56656	55775
	51	64408	63358	62332	61330	60351	59393	58456	57539	56641	55761
	52	64390	63340	62315	61314	60335	59378	58441	57524	56626	55746
	53	64373	63323	62298	61297	60319	59362	58425	57509	56611	55732
	54	64355	63306	62282	61281	60303	59346	58410	57494	56596	55717
	55	64337	63289	62265	61264	60286	59330	58395	57479	56582	55703
	56	64320	63271	62248	61248	60270	59314	58379	57463	56567	55688
	57	64302	63254	62231	61231	60254	59299	58364	57448	56552	55674
	58	64284	63237	62214	61215	60238	59283	58348	57433	56537	55659
	59	64267	63220	62197	61198	60222	59267	58333	57418	56522	55645
	60	64249	63202	62180	61182	60206	59251	58317	57403	56 508	55630

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				U DEGR	1111, 01	. о по	J.R.			
"	50′	51'	52	53′	54'	55′	56′	57′	58′	59'
0	55630	54770	53927	53100	52288	51491	50708	49940	49184	48442
1	55616	54756	53913	53086	52274	51478	50696	49927	49172	48430
2	55601	54742	53899	53072	52261	51465	50683	49914	49159	48418
3	55587	54728	53885	53059	52248	51452	50670	49902	49147	48405
4	55572	54714	53871	53045	52234	51438	50657	49889	49135	48393
5	55558	54699	53857	53031	52221	51425	50644	49876	49122	48381
6	55543	54685	53843	53018	52208	51412	50631	49864	49110	48369
7	55529	54671	53830	53004	52194	51399	50618	49851	49097	48356
8	55515	54657	53816	52991	52181	51386	50605	49838	49085	48344
9	55500	54643	53802	52977	52167	51373	50592	49826	49072	48332
10	55486	54629	53788	52963	52154	51360	50579	49813	49060	48320
11	55471	54614	53774	52950	52141	51346	50566	49800	49047	48307
12	55457	54600	53760	52936	52127	51333	50554	49788	49035	48295
13	55442	54586	53746	52922	52114	51320	50541	49775	49023	48283
14	55428	54572	53732	52909	52101	51307	50528	49762	49010	48271
15	55414	54558	53719	52895	52087	51294	50515	49750	48998	48258
16	55399	54544	53705	52882	52074	51281	50502	49737	48985	48246
17	55385	54530	53691	52868	52061	51268	50489	49724	48973	48234
18	55370	54516	53677	52855	52047	51255	50476	49712	48960	48222
19	55356	54501	53663	52841	52034	51242	50464	49699	48948	48210
20	55342	54487	53649	52827	52021	51229	50451	49687	48936	48197
21	55327	54473	53636	52814	52007	51215	50438	49674	48923	48185
22	55313	54459	53622	52800	51994	51202	50425	49661	48911	48173
23	55299	54445	53608	52787	51981	51189	50412	49649	48898	48161
24	55284	54431	53594	52773	51967	51176	50399	49636	48886	48149
25	55270	54417	53580	52760	51954	51163	50387	49623	48874	48136
26	55255	54403	53567	52746	51941	51150	50374	49611	48861	48124
27	55241	54389	53553	52732	51927	51137	50361	49598	48849	48112
28	55227	54375	53539	52719	51914	51124	50348	49586	48836	48100
29	55212	54361	53525	52705	51901	51111	50335	49573	48824	48088
30	55198	54347	53511	52692	51888	51098	50322	49560	48812	48076
31	55184	54332	53498	52678	51874	51085	50310	49548	48799	48063
32	55169	54318	53484	52665	51861	51072	50297	49535	48787	48051
33	55155	54304	53470	52651	51848	51059	50284	49523	48775	48039
34	55141	54290	53456	52638	51835	51046	50271	49510	48762	48027
35	55127	54276	53442	52624	51821	51033	50258	49498	48750	48015
36	55112	54262	53429	52611	51808	51020	50246	49485	48787	48003
37	55098	54248	53415	52597	51795	51007	50233	49472	48725	47990
38	55084	54234	53401	52584	51781	50994	50220	49460	48713	47978
39	55069	54220	53387	52570	51768	50981	50207	49447	48700	47966
40	55055	54206	53374	52557	51755	50968	50194	49435	48688	47954
41	55041	54192	53360	52543	51742	50955	50182	49422	48676	47942
42	55026	54178	53346	52530	51729	50942	50169	49410	48663	47930
43	55012	54164	53332	52516	51715	50929	50156	49397	48651	47918
44	54998	54150	53319	52503	51702	50916	50143	49385	48639	47906
45	54984	54136	53305	52489	51689	50903	50131	49372	48626	47893
46	54969	54122	53291	52476	51676	50890	50118	49360	48614	47881
47	54955	54108	53278	52462	51662	50877	50105	49347	48602	47869
48	54941	54094	53264	52449	51649	50864	50092	49334	48590	47857
49	54927	54080	53250	52436	51636	50851	50080	49322	48577	47845
50	54912	54066	53236	52422	51623	50838	50067	49309	48565	47833
51	54898	54052	53223	52409	51610	50825	50054	49297	48553	47821
52	54884	54038	53209	52395	51596	50812	50041	49284	48540	47809
53	54870	54024	53195	52382	51583	50799	50029	49272	48528	47797
54	54855	54011	53182	52368	51570	50786	50016	49259	48516	47785
55	54841	53997	53168	52355	51557	50773	50003	49247	48503	47772
56	54827	53983	53154	52342	51544	50760	49991	49234	48491	47760
57	54813	53969	53141	52328	51530	50747	49978	49222	48479	47748
58	54799	53955	53127	52315	51517	50734	49965	49209	48467	47736
59	54784	53941	53113	52301	51504	50721	49952	49197	48454	47724
60	54770	53927	53100	52288	51491	50708	49940	49184	48442	47712

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"	0′	1′	2′	3′	4′	5 ′	6′	7′	8′	9′	10′	11'	
0 1 2 3 4 5	47712 47700 47688 47676 47664 47652	46994 46982 46971 46959 46947 46935	46288 46276 46265 46253 46241 46230	45593 45582 45570 45559 45547 45536	44909 44898 44887 44875 44864 44853	44236 44225 44214 44203 44191 44180	43573 43562 43551 43540 43529 43518	42920 42909 42898 42887 42877 42866	42276 42266 42255 42244 42234 42223	41642 41632 41621 41611 41600 41590	41017 41007 40997 40986 40966	40401 40391 40381 40371 40361 40350	
6	47640	46923	46218	45524	44841	44169	43507	42855	42213	41579	40955	40340	
7	47628	46911	46206	45513	44830	44158	43496	42844	42202	41569	40945	40330	
8	47616	46899	46195	45501	44819	44147	43485	42833	42191	41559	40935	40320	
9	47604	46888	46183	45490	44808	44136	43474	42823	42181	41548	40924	40310	
10	47592	46876	46171	45478	44796	44125	43463	42812	42170	41538	40914	40300	
11	47580	46864	46160	45467	44785	44114	43452	42801	42159	41527	40904	40289	
12	47568	46852	46148	45456	44774	44102	43441	42790	42149	41517	40894	40279	
13	47556	46840	46137	45444	44762	44091	43431	42780	42138	41506	40883	40269	
14	47544	46828	46125	45433	44751	44080	43420	42769	42128	41496	40873	40259	
15	47532	46817	46113	45421	44740	44069	43409	42758	42117	41485	40863	40249	
16	47520	46805	46102	45410	44729	44058	43398	42747	42106	41475	40852	40239	
17	47508	46793	46090	45398	44717	44047	43387	42737	42096	41464	40842	40228	
18	47496	46781	46078	45387	44706	44036	43376	42726	42085	41454	40832	40218	
19	47484	46769	46067	45375	44695	44025	43365	42715	42075	41443	40821	40208	
20	47472	46758	46055	45364	44684	44014	43354	42704	42064	41433	40811	40198	
21	47460	46746	46044	45353	44672	44003	43343	42693	42053	41423	40801	40188	
22	47448	46734	46032	45341	44661	43992	43332	42683	42043	41412	40791	40178	
23	47436	46722	46020	45330	44650	43981	43321	42672	42032	41402	40780	40168	
24	47424	46710	46009	45318	44639	43969	43310	42661	42022	41391	40770	40157	
25	47412	46699	45997	45307	44627	43958	43300	42651	42011	41381	40760	40147	
26	47400	46687	45986	45295	44616	43947	43289	42640	42000	41370	40749	40137	
27	47388	46675	45974	45284	44605	43936	43278	42629	41990	41360	40739	40127	
28	47376	46663	45962	45273	44594	43925	43267	42618	41979	41350	40729	40117	
29	47364	46652	45951	45261	44583	43914	43256	42608	41969	41339	40719	40107	
30	47352	46640	45939	45250	44571	43903	43245	42597	41958	41329	40708	40097	
31	47340	46628	45928	45238	44560	43892	43234	42586	41948	41318	40698	40087	
32	47328	46616	45916	45227	44549	43881	43223	42575	41937	41308	40688	40076	
33	47316	46604	45905	45216	44538	43870	43212	42565	41927	41298	40678	40066	
34	47304	46593	45893	45204	44526	43859	43202	42554	41916	41287	40667	40056	
35	47292	46581	45881	45193	44515	43848	43191	42543	41905	41277	40657	40046	
36	47280	46569	45870	45182	44504	43837	43180	42533	41895	41266	40647	40036	
37	47268	46557	45858	45170	44493	43826	43169	42522	41884	41256	40637	40026	
38	47256	46546	45847	45159	44482	43815	43158	42511	41874	41246	40626	40016	
39	47244	46534	45835	45147	44470	43804	43147	42500	41863	41235	40616	40006	
40	47232	46522	45824	45136	44459	43793	43136	42490	41853	41225	40606	39996	
41	47220	46510	45812	45125	44448	43782	43126	42479	41842	41214	40596	39985	
42	47208	46499	45800	45113	44437	43771	43115	42468	41832	41204	40585	39975	
43	47196	46487	45789	45102	44426	43760	43104	42458	41821	41194	40575	39965	
44	47185	46475	45777	45091	44414	43749	43093	42447	41811	41183	40565	39955	
45	47173	46464	45766	45079	44403	43738	43082	42436	41800	41173	40555	39945	
46	47161	46452	45754	45068	44392	43727	43071	42426	41789	41162	40544	39935	
47	47149	46440	45743	45057	44381	43716	43060	42415	41779	41152	40534	39925	
48	47137	46428	45731	45045	44370	43705	43050	42404	41768	41142	40524	39915	
49	47125	46417	45720	45034	44359	43694	43039	42394	41758	41131	40514	39905	
50	47113	46405	45708	45022	44347	43683	43028	42383	41747	41121	40503	39895	
51	47101	46393	45697	45011	44336	43672	43017	42372	41737	41111	40493	39885	
52	47089	46382	45685	45000	44325	43661	43006	42362	41726	41100	40483	39874	
53	47077	46370	45674	44988	44314	43650	42995	42351	41716	41090	40473	39864	
54	47066	46358	45662	44977	44303	43639	42985	42340	41705	41080	40463	39854	
55	47054	46346	45651	44966	44292	43628	42974	42330	41695	41069	40452	39844	
56	47042	46335	45639	44955	44280	43617	42963	42319	41684	41059	40442	39834	
57	47030	46323	45628	44943	44269	43606	42952	42308	41674	41048	40482	39824	
58	47018	46311	45616	44932	44258	43595	42941	42298	41663	41038	40422	89814	
59	47006	46300	45605	44921	44247	43584	42931	42287	41653	41028	40412	89804	
60	46994	46288	45593	44909	44236	43578	42920	42276	41642	41017	40401	39794	

1 DEGREE, OR 1 HOUR.

					DEGILE	E, OR	, 1 110	JUR.				
"	12′	13′	14′	15′	16′	17′	18′	19′	20′	21′	22′	23'
0	39794	39195	38604	38021	37446	36878	36318	35765	35218	34679	34146	33619
1	39784	39185	38594	38011	37436	36869	36309	35755	35209	34670	34137	33611
2	39774	39175	38585	38002	37427	36859	36299	35746	35200	34661	34128	33602
3	39764	39165	38575	37992	37417	36850	36290	35737	35191	34652	34119	33593
4	39754	39155	38565	37983	37408	36841	36281	35728	35182	34643	34111	33585
5	39744	39145	38555	37973	37398	36831	36271	35719	35173	34634	34102	33576
6	39734	39136	38545	37963	37389	36822	36262	35710	35164	34625	34093	33567
7	39724	39126	38536	37954	37379	36812	36253	35700	35155	34616	34084	33558
8	39714	39116	38526	37944	37370	36803	36244	35691	35146	34607	34075	33550
9	39704	39106	38516	37934	37360	36794	36234	35682	35137	34598	34066	33541
10	39694	39096	38506	37925	37351	36784	36225	35673	35128	34589	34058	33532
11	39684	39086	38497	37915	37341	36775	36216	35664	35119	34581	34049	33524
12	39674	39076	38487	37905	37332	36766	36207	35655	35110	34572	34040	33515
13	39664	39066	38477	37896	37322	36756	36197	35646	35101	34563	34031	33506
14	39653	39056	38467	37886	37313	36747	36188	35636	35092	34554	34022	33498
15	39643	39046	38458	37877	37303	36737	36179	35627	35083	34545	34014	33489
16	39633	39037	38448	37867	37294	36728	36170	35618	35074	34536	34005	33480
17	39623	39027	38438	37857	37284	36719	36160	35609	35065	34527	33996	33471
18	39613	39017	38428	37848	37275	36709	36151	35600	35056	34518	33987	33463
19	39603	39007	38419	37838	37265	36700	36142	35591	35047	34509	33978	33454
20	39593	38997	38409	37829	37256	36691	36133	35582	35038	34500	33970	33445
21	39583	38987	38399	37819	37246	36681	36123	35573	35029	34491	33961	33437
22	39573	38977	38389	37809	37237	36672	36114	35563	35020	34483	33952	33428
23	39563	38968	38380	37800	37227	36663	36105	35554	35011	34474	33943	33419
24	39553	38958	38370	37790	37218	36653	36096	35545	35002	34465	33935	33411
25	39543	38948	38360	37781	37208	36644	36086	35536	34993	34456	33926	33402
26	39533	38938	38351	37771	37199	36634	36077	35527	34984	34447	33917	33393
27	39523	38928	38341	37761	37189	36625	36068	35518	34975	34438	33908	33385
28	39513	38918	38331	37752	37180	36616	36059	35509	34966	34429	33899	33376
29	39503	38908	38321	37742	37171	36606	36050	35500	34957	34420	33891	33367
30	39493	38899	38312	37733	37161	36597	36040	35491	34948	34411	33882	33359
31	39483	38889	38302	37723	37152	36588	36031	35481	34939	34403	33873	33350
32	39473	38879	38292	37713	37142	36578	36022	35472	34930	34394	33864	33341
33	39464	38869	38282	37704	37133	36569	36013	35463	34921	34385	33856	33333
34	39454	38859	38273	37694	37123	36560	36003	35454	34912	34376	33847	33324
35	3 9444	38849	38263	37685	37114	36550	35994	35445	34903	34367	33838	33315
36	39434	38839	38253	37675	37104	36541	35985	35436	34894	34358	33829	33307
37	39424	38830	38244	37665	37095	36532	35976	35427	34885	34349	33820	33298
38	39414	38820	38234	37656	37085	36522	35967	35418	34876	34340	33812	33289
39	39404	38810	38224	37646	37076	36513	35957	35409	34867	34332	33803	33281
40	39394	38800	38215	37637	37067	36504	35948	35400	34858	34323	33794	33272
41	39384	38790	38205	37627	37057	36494	35939	35391	34849	34314	33785	33263
42	39374	38781	38195	37618	37048	36485	35930	35381	34840	34305	33777	33255
43	39364	38771	38186	37608	37038	36476	35921	35372	34831	34296	33768	33246
44	39354	38761	38176	37599	37029	36467	35911	35363	34822	34287	33759	33237
45	39344	38751	38166	37589	37019	36457	35902	35354	34813	34278	33750	33229
46	39334	38741	38156	37579	37010	36448	35893	35345	34804	34270	33742	33220
47	39324	38731	38147	37570	37001	36439	35884	35336	34795	34261	33733	33211
48	39314	38722	38137	37560	36991	36429	35875	35327	34786	34252	33724	33203
49	39304	38712	38127	37551	36982	36420	35865	35318	34777	34243	33715	33194
50	39294	38702	38118	37541	36972	36411	35856	35309	34768	34234	33707	33186
51	39284	38692	38108	37532	36963	36401	35847	35300	34759	34225	33698	33177
52	39274	38682	38098	37522	36953	36392	35838	35291	34750	34217	33689	33168
53	39264	38673	38089	37513	36944	36383	35829	35282	34741	34208	33681	33160
54	39254	38663	38079	37503	36935	36374	35820	35273	34732	34199	33672	33151
55	39245	38653	38069	37494	36925	36364	35810	35264	34723	34190	33663	33142
56	39235	38643	38060	37484	36916	36355	35801	35254	34715	34181	33654	33134
57	39225	38633	38050	37474	36906	36346	35792	35245	34706	34172	33646	33125
58	39215	38624	38040	37465	36897	36336	35783	35236	34697	34164	33637	33117
59	39205	38614	38031	37455	36888	36327	35774	35227	34688	34155	33628	33108
60	39195	38604	38021	37446	36 878	36318	35765	35218	34679	34146	33619	33099

1	DEGREE,	OR	1	Hour.

11	24'	25′	26′	27′	28′	29'	30′	31'	32'	33′	34'	35′
0	33099	32585	32077	31575	31079	30588	30103	29623	29148	28679	28214	27755
1	33091	32577	32069	31567	31071	30580	30095	29615	29141	28671	28207	27747
2	33082	32568	32061	31559	31063	30572	30087	29607	29133	28663	28199	27740
3	33073	32560	32052	31550	31054	30564	30079	29599	29125	28656	28191	27732
4	33065	32551	32044	31542	31046	30556	30071	29591	29117	28648	28184	27724
5	33056	32543	32035	31534	31038	30548	30063	29583	29109	28640	28176	27717
8 9 10	33048	32534	32027	31525	31030	30539	30055	29575	29101	28632	28168	27709
	33039	32526	32019	31517	31021	30531	30047	29567	29093	28625	28161	27702
	33030	32517	32010	31509	31013	30523	30039	29560	29086	28617	28153	27694
	33022	32509	32002	31501	31005	30515	30031	29552	29078	28609	28145	27686
	33013	32500	31993	31492	30997	30507	30023	29544	29070	28601	28138	27679
11	33005	32492	31985	31484	30989	30499	30015	29536	29062	28593	28130	27671
12	32996	32483	31977	31476	30980	30491	30007	29528	29054	28586	28122	27664
13	32987	32475	31968	31467	30972	30483	29999	29520	29046	28578	28114	27656
14	32979	32466	31960	31459	30964	30475	29991	29512	29038	28570	28107	27648
15	32970	32458	31951	31451	30956	30466	29983	29504	29031	28562	28099	27641
16	32962	32449	31943	31442	30948	30458	29975	29496	29023	28555	28091	27633
17	32953	32441	31935	31434	30939	30450	29967	29488	29015	28547	28084	27626
18	32944	32432	31926	31426	30931	30442	29958	29480	29007	28539	28076	27618
19	32936	32424	31918	31418	30923	30434	29950	29472	28999	28531	28068	27610
20	32927	32415	31909	31409	30915	30426	29942	29464	28991	28524	28061	27603
21	32919	32407	31901	31401	30907	30418	29934	29456	28984	28516	28053	27595
22	32910	32398	31893	31393	30898	30410	29926	29448	28976	28508	28045	27588
23	32902	32390	31884	31384	30890	30402	25918	29441	28968	28500	28038	27580
24	32893	32381	31876	31376	30882	30393	29910	29433	28960	28493	28030	27572
25	32884	32373	31867	31368	30874	30385	29902	29425	28952	28485	28022	27565
26	32876	32365	31859	31360	30866	30377	29894	29417	28944	28477	28015	27557
27	32867	32356	31851	31351	30857	30369	29886	29409	28937	28469	28007	27550
28	32859	32348	31842	31343	30849	30361	29878	29401	28929	28462	27999	27542
29	32850	32339	31834	31335	30841	30353	29870	29393	28921	28454	27992	27534
30	32842	32331	31826	31326	30833	30345	29862	29385	28913	28446	27984	27527
31	32833	32322	31817	31318	30825	30337	29854	29377	28905	28438	27976	27519
32	32824	32314	31809	31310	30817	30329	29846	29369	28897	28431	27969	27512
33	32816	32305	31801	31302	30808	30321	29838	29361	28890	28423	27961	27504
34	32807	32297	31792	31293	30800	30313	29830	29354	28882	28415	27953	27497
35	32799	32288	31784	31285	30792	30305	29822	29346	28874	28407	27946	27489
36	32790	32280	31775	31277	30784	30296	29814	29338	28866	28400	27938	27481
37	32782	32271	31767	31269	30776	30288	29806	29330	28858	28392	27930	27474
38	32773	32263	31759	31260	30768	30280	29798	29322	28851	28384	27923	27466
39	32765	32255	31750	31252	30759	30272	29790	29314	28843	28376	27915	27459
40	32756	32246	31742	31244	30751	30264	29782	29306	28835	28369	27908	27451
41	32747	32238	31734	31236	30743	30256	29775	29298	28827	28361	27900	27444
42	32739	32229	31725	31227	30735	30248	29767	29290	28819	28353	27892	27436
43	32730	32221	3171 7	31219	30727	30240	29759	29282	28811	28346	27885	27429
44	32722	32212	31709	31211	30719	30232	29751	29275	28804	28338	27877	27421
45	32713	32204	31700	31203	30710	30224	29743	29267	28796	28330	27869	27413
46	32705	32195	31692	31194	30702	30216	29735	29259	28788	28322	27862	27406
47	32696	32187	31684	31186	30694	30208	29727	29251	28780	28315	27854	27398
48	32688	32179	31675	31178	30686	30200	29719	29243	28772	28307	27846	27391
49	32679	32170	31667	31170	30678	30192	29711	29235	28765	28299	27839	27383
50	32671	32162	31659	31161	30670	30183	29703	29227	28757	28292	27831	27376
51	32662	32153	31650	31153	30662	30175	29695	29219	28749	28284	27824	27368
52	32654	32145	31642	31145	30653	30167	29687	29211	28741	28276	27816	27360
53	32645	32136	31634	31137	30645	30159	29679	29204	28733	28268	27808	27353
54	32636	32128	31625	31128	30637	30151	29671	29196	28726	28261	27801	27345
55	32628	32120	31617	31120	30629	30143	29663	29188	28718	28253	27793	27338
56	32619	32111	31609	31112	30621	30135	29655	29180	28710	28245	27785	27330
57	32611	32103	31600	31104	30613	30127	29647	29172	28702	28238	27778	27323
58	32602	32094	31592	31095	30605	30119	29639	29164	28695	28230	27770	27315
59	32594	32086	31584	31087	30596	30111	29631	29156	28687	28222	27763	27308
60	32585	32077	31575	31079	30588	30103	29623	29148	28679	28214	27755	27300

1 DEGREE, OR 1 HOUR.

"	36′	37′	38′	39′	40′	41′	42'	43'	44'	45′	46′	47′
0	27300	26850	26405	25964	25527	25095	24667	24244	23824	23408	22997	22589
1	27293	26843	26397	25956	25520	25088	24660	24237	23817	23401	22990	22582
2	27285	26835	26390	25949	25513	25081	24653	24229	23810	23395	22983	22575
3	27278	26828	26382	25942	25506	25074	24646	24222	23803	23388	22976	22569
4	27270	26820	26375	25934	25498	25066	24639	24215	23796	23381	22969	22562
5	27262	26813	26368	25927	25491	25059	24632	24208	23789	23374	22963	22555
6	27255	26805	26360	25920	25484	25052	24625	24201	23782	23367	22956	22548
7	27247	26798	26353	25913	25477	25045	24618	24194	23775	23360	22949	22542
8	27240	26790	26346	25905	25469	25038	24610	24187	23768	23353	22942	22535
9	27232	26783	26338	25898	25462	25031	24603	24180	23761	23346	22935	22528
10	27225	26776	26331	25891	25455	25024	24596	24173	23754	23339	22928	22521
11	27217	26768	26323	25883	25448	25016	24589	24166	23747	23333	22922	22515
12	27210	26761	26316	25876	25440	25009	24582	24159	23740	23326	22915	22508
13	27202	26753	26309	25869	25433	25002	24575	24152	23734	23319	22908	22501
14	27195	26746	26301	25861	25426	24995	24568	24145	23727	23312	22901	22494
15	27187	26738	26294	25854	25419	24988	24561	24138	23720	23305	22894	22488
16	27180	26731	26287	25847	25412	24981	24554	24131	23713	23298	22888	22481
17	27172	26723	26279	25840	25404	24973	24547	24124	23706	23291	22881	22474
18	27165	26716	26272	25832	25397	24966	24540	24117	23699	23284	22874	22467
19	27157	26709	26265	25825	25390	24959	24533	24110	23692	23278	22867	22461
20	27150	26701	26257	25818	25383	24952	24526	24103	23685	23271	22860	22454
21	27142	26694	26250	25810	25376	24945	24518	24096	23678	23264	22854	22447
22	27135	26686	26242	25803	25368	24938	24511	24089	23671	23257	22847	22440
23	27127	26679	26235	25796	25361	24931	24504	24082	23664	23250	22840	22434
24	27120	26671	26228	25789	25354	24923	24497	24075	23657	23243	22833	22427
25	27112	26664	26220	25781	25347	24916	24490	24068	23650	23236	22826	22420
26	27105	26656	26213	25774	25339	24909	24483	24061	23643	23229	22819	22413
27	27097	26649	26206	25767	25332	24902	24476	24054	23636	23223	22813	22407
28	27090	26642	26198	25759	25325	24895	24469	24047	23629	23216	22806	22400
29	27082	26634	26191	25752	25318	24888	24462	24040	23623	23209	22799	22393
30	27075	26627	26184	25745	25311	24881	24455	24033	23616	23202	22792	22386
31	27067	26619	26176	25738	25303	24874	24448	24026	23609	23195	22785	22380
32	27060	26612	26169	25730	25296	24866	24441	24019	23602	23188	22779	22373
33	27052	26605	26162	25723	25289	24859	24434	24012	23595	23181	22772	22366
34	27045	26597	26154	25716	25282	24852	24427	24005	23588	23175	22765	22359
35	27037	26590	26147	25709	25275	24845	24420	23998	23581	23168	22758	22353
36	27030	26582	26140	25701	25267	24838	24413	23991	23574	23161	22752	22346
37	27022	26575	26132	25694	25260	24831	24405	23984	23567	23154	22745	22339
38	27015	26567	26125	25687	25253	24824	24398	23977	23560	23147	22738	22333
39	27007	26560	26118	25680	25246	24817	24391	23970	23553	23140	22731	22326
40	27000	26553	26110	25672	25239	24809	24384	23963	23546	23133	22724	22319
41	26992	26545	26103	25665	25231	24802	24377	23956	23539	23127	22718	22312
42	26985	26538	26096	25658	25224	24795	24370	23949	23533	23120	22711	22306
43	26977	26530	26088	25650	25217	24788	24363	23942	23526	23113	22704	22299
44	26970	26523	26081	25643	25210	24781	24356	23935	23519	23106	22697	22292
45	26962	26516	26074	25636	25203	24774	24349	23928	23512	23099	22690	22286
46	26955	26508	26066	25629	25196	24767	24342	23921	23505	23092	22684	22279
47	26947	26501	26059	25621	25188	24760	24335	23914	23498	23086	22677	22272
48	26940	26493	26052	25614	25181	24752	24328	23908	23491	23079	22670	22265
49	26932	26486	26044	25607	25174	24745	24321	23901	23484	23072	22663	22259
50	26925	26479	26037	25600	25167	24738	24314	23894	23477	23065	22657	22252
51	26917	26471	26030	25592	25160	24731	24307	23887	23470	23058	22650	22245
52	26910	26464	26022	25585	25152	24724	24300	23880	23464	23051	22643	22239
53	26902	26456	26015	25578	25145	24717	24293	23873	23457	23044	22636	22232
54	26895	26449	26008	25571	25138	24710	24286	23866	23450	23038	22629	22225
55	26887	26442	26000	25563	25131	24703	24279	23859	23443	23031	22623	22218
56	26880	26434	25993	25556	25124	24696	24272	23852	23436	23024	22616	22212
57	26872	26427	25986	25549	25117	24689	24265	23845	23429	23017	22609	22205
58	26865	26419	25978	25542	25109	24681	24258	23838	23422	23010	22602	22198
59	26858	26412	25971	25534	25102	24674	24251	23831	23415	23004	22596	22192
60	26850	26405	25964	25527	25095	24667	24244	23824	23408	22997	22589	22185

1 Degree, or 1 Hour.

						,							_
"	48′	49′	50′	51′	52'	53′	54 ′	55′	56'	57′	58′	59′	
0 1 2 3 4 5	22185 22178 22171 22165 22158 22151	21785 21778 21771 21765 21758 21751	21388 21381 21375 21368 21362 21355	20995 20988 20982 20975 20969 20962	20605 20599 20593 20586 20580 20573	20219 20213 20207 20200 20194 20187	19837 19830 19824 19818 19811 19805	19457 19451 19445 19439 19432 19426	19081 19075 19069 19063 19056 19050	18709 18702 18696 18690 18684 18678	18339 18333 18327 18321 18315 18308	17973 17966 17960 17954 17948 17942	
6 7 8 9 10	22145 22138 22131 22125 22118	21745 21738 21732 21725 21718	21349 21342 21335 21329 21322	20956 20949 20943 20936 20930	20567 20560 20554 20547 20541	20181 20175 20168 20162 20155	19799 19792 19786 19780 19773	19420 19413 19407 19401 19395	19044 19038 19032 19025 19019	18672 18665 18659 18653 18647	18302 18296 18290 18284 18278	17936 17930 17924 17918 17912	
11 12 13 14 15	22111 22105 22098 22091 22084	21712 21705 21698 21692 21685	21316 21309 21303 21296 21289	20923 20917 20910 20904 20897	20534 20528 20522 20515 20509	20149 20143 20136 20130 20123	19767 19761 19754 19748 19742	19388 19382 19376 19369 19363	19013 19007 19000 18994 18988	18641 18634 18628 18622 18616	18272 18266 18259 18253 18247	17906 17900 17894 17887 17881	
16 17 18 19 20	22078 22071 22064 22058 22051	21678 21672 21665 21659 21652	21283 21276 21270 21263 21257	20891 20884 20878 20871 20865	20502 20496 20489 20483 20476	20117 20111 20104 20098 20091	19735 19729 19723 19716 19710	19357 19351 19344 19338 19332	18982 18976 18969 18963 18957	18610 18604 18597 18591 18585	18241 18235 18229 18223 18217	17875 17869 17863 17857 17851	
21 22 23 24 25	22044 22038 22031 22024 22018	21645 21639 21632 21626 21619	21250 21243 21237 21230 21224	20858 20852 20845 20839 20832	20470 20464 20457 20451 20444	20085 20079 20072 20066 20060	19704 19697 19691 19685 19678	19325 19319 19313 19307 19300	18951 18944 18938 18932 18926	18579 18573 18567 18560 18554	18210 18204 18198 18192 18186	17845 17839 17833 17827 17821	
26 27 28 29 30	22011 22004 21998 21991 21984	21612 21606 21599 21592 21586	21217 21211 21204 21198 21191	20826 20819 20813 20806 20800	20438 20431 20425 20418 20412	20053 20047 20040 20034 20028	19672 19666 19659 19653 19647	19294 19288 19282 19275 19269	18920 18913 18907 18901 18895	18548 18542 18536 18530 18523	18180 18174 18168 18162 18155	17815 17809 17803 17797 17790	
31 32 33 34 35	21978 21971 21964 21958 21951	21579 21573 21566 21559 21553	21184 21178 21171 21165 21158	20793 20787 20780 20774 20767	20406 20399 20393 20386 20380	20021 20015 20009 20002 19996	19640 19634 19628 19621 19615	19263 19257 19250 19244 19238	18888 18882 18876 18870 18864	18517 18511 18505 18499 18493	18149 18143 18137 18131 18125	17784 17778 17772 17766 17760	
36 37 38 39 40	21944 21938 21931 21924 21918	21546 21540 21533 21526 21520	21152 21145 21139 21132 21126	20761 20754 20748 20741 20735	20373 20367 20361 20354 20348	19989 19983 19977 19970 19964	19609 19602 19596 19590 19584	19231 19225 19219 19213 19206	18857 18851 18845 18839 18833	18487 18480 18474 18468 18462	18119 18113 18107 18100 18094	17754 17748 17742 17736 17730	
41 42 43 44 45	21911 21904 21898 21891 21884	21513 21507 21500 21493 21487	21119 21112 21106 21099 21093	20728 20722 20715 20709 20702	20341 20335 20328 20322 20316	19958 19951 19945 19938 19932	19577 19571 19565 19558 19552	19200 19194 19188 19181 19175	18826 18820 18814 18808 18802	18456 18450 18443 18437 18431	18088 18082 18076 18070 18064	17724 17718 17712 17706 17700	
46 47 48 49 50	21878 21871 21864 21858 21851	21480 21474 21467 21460 21454	21086 21080 21073 21067 21060	20696 20690 20683 20677 20670	20309 20303 20296 20290 20284	19926 19919 19913 19907 19900	19546 19539 19533 19527 19520	19169 19163 19156 19150 19144	18795 18789 18783 18777 18771	18425 18419 18413 18407 18400	18058 18052 18046 18040 18033	17694 17688 17682 17676 17669	
51 52 53 54 55	21844 21838 21831 21824 21818	21447 21441 21434 21427 21421	21054 21047 21041 21034 21028	20664 20657 20651 20644 20638	20277 20271 20264 20258 20251	19894 19888 19881 19875 19869	19514 19508 19502 19495 19489	19138 19131 19125 19119 19113	18764 18758 18752 18746 18740	18394 18388 18382 18376 18370	18027 18021 18015 18009 18003	17663 17657 17651 17645 17639	
56 57 58 59 60	21811 21805 21798 21791 21785	21414 21408 21401 21395 21388	21021 21015 21008 21001 20995	20631 20625 20618 20612 20605	20245 20239 20222 20226 20219	19862 19856 19849 19843 19837	19483 19476 19470 19464 19457	19106 19100 19094 19088 19081	18733 18727 18721 18715 18709	18364 18357 18351 18345 18339	17997 17991 17985 17979 17973	17633 17627 17621 17615 17609	

2 Degrees, or 2 Hours.

					·							
"	0′	1′	2′	3′	4′	5′	6′	7′	8′	9′	10′	11'
0	17609	17249	16891	16537	16185	15836	15490	15147	14806	14468	14133	13800
1	17603	17243	16885	16531	16179	15830	15484	15141	14801	14463	14127	13795
2	17597	17237	16879	16525	16173	15825	15479	15135	14795	14457	14122	13789
3	17591	17231	16873	16519	16168	15819	15473	15130	14789	14451	14116	13784
4	17585	17225	16868	16513	16162	15813	15467	15124	14784	14446	14111	13778
5	17579	17219	16862	16507	16156	15807	15461	15118	14778	14440	14105	13773
6	17573	17213	16856	16501	16150	15802	15456	15113	14772	14435	14100	13767
7	17567	17207	16850	16496	16144	15796	15450	15107	14767	14429	14094	13761
8	17561	17201	16844	16490	16138	15790	15444	15101	14761	14423	14088	13756
9	17555	17195	16838	16484	16133	15784	15439	15096	14755	14418	14083	13750
10	17549	17189	16832	16478	16127	15778	15433	15090	14750	14412	14077	13745
11	17543	17183	16826	16472	16121	15773	15427	15084	14744	14407	14072	13739
12	17537	17177	16820	16466	16115	15767	15421	15079	14738	14401	14066	13734
13	17531	17171	16814	16460	16109	15761	15416	15073	14733	14395	14061	13728
14	17525	17165	16808	16454	16103	15755	15410	15067	14727	14390	14055	13723
15	17519	17159	16802	16449	16098	15749	15404	15061	14722	14384	14049	13717
16	17513	17153	16796	16443	16092	15744	15398	15056	14716	14379	14044	13712
17	17507	17147	16791	16437	16086	15738	15393	15050	14710	14373	14038	13706
18	17501	17141	16785	16431	16080	15732	15387	15044	14705	14367	14033	13701
19	17495	17135	16779	16425	16074	15726	15381	15039	14699	14362	14027	13695
20	17489	17129	16773	16419	16068	15721	15375	15033	14693	14356	14022	13690
21	17483	17123	16767	16413	16063	15715	15370	15027	14688	14351	14016	13684
22	17477	17117	16761	16407	16057	15709	15364	15022	14682	14345	14011	13679
23	17471	17111	16755	16402	16051	15703	15358	15016	14676	14339	14005	13673
24	17465	17105	16749	16396	16045	15697	15353	15010	14671	14334	14000	13668
25	17459	17099	16743	16390	16039	15692	15347	15005	14665	14328	13994	13662
26	17453	17093	16737	16384	16034	15686	15341	14999	14659	14323	13988	13657
27	17447	17087	16731	16378	16028	15680	15335	14993	14654	14317	13983	13651
28	17441	17082	16725	16372	16022	15674	15330	14988	14648	14311	13977	13646
29	17435	17076	16720	16366	16016	15669	15324	14982	14643	14306	13972	13640
30	17429	17070	16714	16361	16010	15663	15318	14976	14637	14300	13966	13635
31	17423	17064	16708	16355	16005	15657	15312	14971	14631	14295	13961	13629
32	17417	17058	16702	16349	15999	15651	15307	14965	14626	14289	13955	13624
33	17411	17052	16696	16343	15993	15646	15301	14959	14620	14284	13950	13618
34	17405	17046	16690	16337	15987	15640	15295	14954	14614	14278	13944	13613
35	17399	17040	16684	16331	15981	15634	15290	14948	14609	14272	13938	13607
36	17393	17034	16678	16325	15975	15628	15284	14942	14603	14267	13933	13602
37	17387	17028	16672	16320	15970	15623	15278	14987	14598	14261	13927	13596
38	17381	17022	16666	16314	15964	15617	15272	14931	14592	14256	13922	13591
39	17375	17016	16660	16308	15958	15611	15267	14925	14586	14250	13916	13585
40	17369	17010	16655	16302	15952	15605	15261	14919	14581	14244	13911	13580
41	17363	17004	16649	16296	15946	15599	15255	14914	14575	14239	13905	13574
42	17357	16998	16643	16290	15941	15594	15250	14908	14569	14233	13900	13569
43	17351	16992	16637	16284	15935	15588	15244	14902	14564	14228	13894	13563
44	17345	16986	16631	16279	15929	15582	15238	14897	14558	14222	13889	13558
45	17339	16980	16625	16273	15923	15576	15232	14891	14553	14217	13883	13552
46	17333	16974	16619	16267	15917	15571	15227	14886	14547	14211	13878	13547
47	17327	16968	16613	16261	15912	15565	15221	14880	14541	14205	13872	13541
48	17321	16963	16607	16255	15906	15559	15215	14874	14536	14200	13866	13536
49	17315	16957	16602	16249	15900	15553	15210	14869	14530	14194	13861	13530
50	17309	16951	16596	16243	15894	15548	15204	14863	14524	14189	13855	13525
51	17303	16945	16590	16238	15888	15542	15198	14857	14519	14183	13850	13519
52	17297	16939	16584	16232	15883	15536	15192	14852	14513	14177	13844	13514
53	17291	16933	16578	16226	15877	15530	15187	14846	14508	14172	13839	13508
54	17285	16927	16572	16220	15871	15525	15181	14840	14502	14166	13833	13503
55	17279	16921	16566	16214	15865	15519	15175	14835	14496	14161	13828	13497
56	17273	16915	16560	16208	15859	15513	15170	14829	14491	14155	13822	13492
57	17267	16909	16554	16203	15854	15507	15164	14823	14485	14150	13817	13486
58	17261	16903	16549	16197	15848	15502	15158	14818	14480	14144	13811	13481
59	17255	16897	16543	16191	15842	15496	15153	14812	14474	14138	13806	13475
6 0	17249	16891	16537	16185	15836	15490	15147	14806	14468	14133	13800	13470

2 DE0	REES,	OR	2	Hours.
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п	12′	13′	14'	15 ′	16′	17′	18'	19'	20′	21'	2 2′	23'
0	13470	13142	12817	12494	12173	11855	11539	11226	10914	10605	10298	09994
1	13464	13137	12811	12489	12168	11850	11534	11221	10909	10600	10293	09989
2	13459	13131	12806	12483	12163	11845	11529	11215	10904	10595	10288	09984
3	13453	13126	12801	12478	12157	11839	11524	11210	10899	10590	10283	09978
4	13448	13120	12795	12472	12152	11834	11518	11205	10894	10585	10278	09973
5	13442	13115	12790	12467	12147	11829	11513	11200	10889	10580	10273	09968
6 7 8 9	13437 13431 13426 13421 13415	13109 13104 13099 13093 13088	12784 12779 12774 12768 12763	$\begin{array}{c} 12462 \\ 12456 \\ 12451 \\ 12446 \\ 12440 \end{array}$	12141 12136 12131 12125 12120	11824 11818 11813 11808 11802	11508 11503 11497 11492 11487	11195 11189 11184 11179 11174	10883 10878 10873 10868 10863	10575 10569 10564 10559 10554	10268 10263 10258 10253 10247	09963 09958 09953 09948 09943
11	13410	13082	12757	12435	12115	11797	11482	11169	10858	10549	10242	09938
12	13404	13077	12752	12430	12110	11792	11476	11163	10852	10544	10237	09933
13	13399	13071	12747	12424	12104	11787	11471	11158	10847	10539	10232	09928
14	13393	13066	12741	12419	12099	11781	11466	11153	10842	10534	10227	09923
15	13388	13061	12736	12414	12094	11776	11461	11148	10837	10528	10222	09918
16	13382	13055	12730	12408	12088	11771	11456	11143	10832	10523	10217	09913
17	13377	13050	12725	12403	12083	11765	11450	11137	10827	10518	10212	09908
18	13371	13044	12720	12397	12078	11760	11445	11132	10821	10513	10207	09903
19	13366	13039	12714	12392	12072	11755	11440	11127	10816	10508	10202	09898
20	13360	13033	12709	12387	12067	11750	11435	11122	10811	10503	10197	09893
21	13355	13028	12703	12381	12062	11744	11429	11117	10806	10498	10192	09887
22	13349	13023	12698	12376	12056	11739	11424	11111	10801	10493	10186	09882
23	13344	13017	12693	12371	12051	11734	11419	11106	10796	10487	10181	09877
24	13338	13012	12687	12365	12046	11729	11414	11101	10791	10482	10176	09872
25	13333	13006	12682	12360	12041	11723	11408	11096	10785	10477	10171	09867
26	13328	13001	12677	12355	12035	11718	11403	11091	10780	10472	10166	09862
27	13322	12995	12671	12349	12030	11713	11398	11085	10775	10467	10161	09857
28	13317	12990	12666	12344	12025	11708	11393	11080	10770	10462	10156	09852
29	13311	12985	12660	12339	12019	11702	11387	11075	10765	10457	10151	09847
30	13306	12979	12655	12333	12014	11697	11382	11070	10760	10452	10146	09842
31	13300	12974	12650	12328	12009	11692	11377	11065	10754	10446	10141	09837
32	13295	12968	12644	12323	12003	11686	11372	11059	10749	10441	10136	09832
33	13289	12963	12639	12317	11998	11681	11367	11054	10744	10436	10131	09827
34	13284	12957	12634	12312	11993	11676	11361	11049	10739	10431	10126	09822
35	13278	12952	12628	12307	11987	11671	11356	11044	10734	10426	10120	09817
36	13273	12947	12623	12301	11982	11665	11351	11039	10729	10421	10115	09812
37	13267	12941	12617	12296	11977	11660	11346	11034	10724	10416	10110	09807
38	13262	12936	12612	12291	11972	11655	11340	11028	10718	10411	10105	09802
39	13257	12930	12607	12285	11966	11650	11335	11023	10713	10406	10100	09797
40	13251	12925	12601	12280	11961	11644	11330	11018	10708	10400	10095	09792
41	13246	12920	12596	12275	11956	11639	11325	11013	10703	10395	10090	09787
42	13240	12914	12590	12269	11950	11634	11320	11008	10698	10390	10085	09782
43	13235	12909	12585	12264	11945	11629	11314	11002	10693	10385	10080	09777
44	13229	12903	12580	12259	11940	11623	11309	10997	10688	10380	10075	09772
45	13224	12898	12574	12253	11935	11618	11304	10992	10682	10375	10070	09766
46	13218	12892	12569	12248	11929	11613	11299	10987	10677	10370	10065	09761
47	13213	12887	12564	12243	11924	11608	11294	10982	10672	10365	10059	09756
48	13207	12882	12558	12237	11919	11602	11288	10977	10667	10360	10054	09751
49	13202	12876	12553	12232	11913	11597	11283	10971	10662	10355	10049	09746
50	13197	12871	12548	12227	11908	11592	11278	10966	10657	10349	10044	09741
51	13191	12865	12542	12221	11903	11587	11273	10961	10652	10344	10039	09736
52	13186	12860	12537	12216	11897	11581	11267	10956	10646	10339	10034	09731
53	13180	12855	12531	12211	11892	11576	11262	10951	10641	10334	10029	09726
54	13175	12849	12526	12205	11887	11571	11257	10945	10636	10329	10024	09721
55	13169	12844	12521	12200	11882	11566	11252	10940	10631	10324	10019	09716
56	13164	12838	12515	12195	11876	11560	11247	10935	10626	10319	10014	09711
57	13158	12833	12510	12189	11871	11555	11241	10930	10621	10314	10009	09706
58	13153	12828	12505	12184	11866	11550	11236	10925	10616	10309	10004	09701
59	13148	12822	12499	12179	11860	11545	11231	10920	10610	10304	09999	09696
60	13142	12817	12494	12173	11855	11589	11226	10914	10605	10298	09994	09691

	2	DEGREES.	or	2	Hours.
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					BOILE			70 Tu3.				
"	24′	25′	26′	27′	28′	29′	30′	31′	32′	33′	34'	35′
0	09691	09390	09092	08796	08501	08209	07918	07630	07343	07058	06775	06494
1	09686	09385	09087	08791	08496	08204	07913	07625	07338	07053	06770	06489
2	09681	09380	09082	08786	08491	08199	07908	07620	07333	07049	06766	06485
3	09676	09375	09077	08781	08486	08194	07904	07615	07329	07044	06761	06480
4	09671	09370	09072	08776	08482	08189	07899	07610	07324	07039	06756	06475
5	09666	09365	09067	08771	0S477	08184	07894	07606	07319	07034	06752	06471
6 7 8 9	09661 09656 09651 09646 09641	09361 09356 09351 09346 09341	09062 09057 09052 09047 09042	08766 08761 08756 08751 08746	08472 08467 08462 08457 08452	08179 08175 08170 08165 08160	07889 07884 07880 07875 07870	07601 07596 07591 07586 07582	07314 07310 07305 07300 07295	$\begin{array}{c} 07030 \\ 07025 \\ 07020 \\ 07016 \\ 07011 \end{array}$	06747 06742 06738 06733 06728	06466 06461 06457 06452 06447
11	09636	09336	09037	08741	08447	08155	07865	07577	$\begin{array}{c} 07291 \\ 07286 \\ 07281 \\ 07276 \\ 07272 \end{array}$	07006	06724	06443
12	09631	09331	09033	08736	08442	08150	07860	07572		07001	06719	06438
13	09626	09326	09028	08732	08438	08146	07855	07567		06997	06714	06433
14	09621	09321	09023	08727	08433	08141	07851	07562		06992	06709	06429
15	09616	09316	09018	08722	08428	08136	07846	07558		06987	06705	06424
16	09611	09311	09013	08717	08423	08131	07841	07553	07267	06982	06700	06419
17	09606	09306	09008	08712	08418	08126	07836	07548	07262	06978	06695	06415
18	09601	09301	09003	08707	08413	08121	07831	07543	07257	06973	06691	06410
19	09596	09296	08998	08702	08408	08116	07827	07539	07253	06968	06686	06405
20	09591	09291	08993	08697	08403	08112	07822	07534	07248	06964	06681	06401
21 22 23 24 25	09586 09581 09576 09571 09566	$\begin{array}{c} 09286 \\ 09281 \\ 09276 \\ 09271 \\ 09266 \end{array}$	08988 08983 08978 08973 08968	08692 08687 08682 08678 08673	08398 08394 08389 08384 08379	08107 08102 08097 08092 08087	07817 07812 07807 07802 07798	07529 07524 07519 07515 07510	$\begin{array}{c} 07243 \\ 07238 \\ 07234 \\ 07229 \\ 07224 \end{array}$	06959 06954 06949 06945 06940	06677 06672 06667 06663 06658	06396 06391 06387 06382 06377
26	09561	09261	08963	08668	08374	08083	07793	07505	07219	06935	06653	06373
27	09555	09256	08958	08663	08369	08078	07788	07500	07215	06931	06648	06368
28	09550	09251	08953	08658	08364	08073	07783	07496	07210	06926	06644	06364
29	09545	09246	08948	08653	08359	08068	07778	07491	07205	06921	06639	06359
30	09540	09241	08943	08648	08355	08063	07774	07486	07200	06916	06634	C6354
31	09535	09236	08939	08643	08350	08058	07769	07481	07196	06912	06630	06350
32	09530	09231	08934	08638	08345	08053	07764	07476	07191	06907	06625	06345
33	09525	09226	08929	08633	08340	08049	07759	07472	07186	06902	06620	06340
34	09520	09221	08924	08628	08335	08044	07754	07467	07181	06898	06616	06336
35	09515	09216	08919	08624	08330	08039	07750	07462	07177	06893	06611	06331
36	09510	09211	08914	08619	08325	08034	07745	07457	07172	06888	06606	06326
37	09505	09206	08909	08614	08320	08029	07740	07453	07167	06883	06602	06322
38	09500	09201	08904	08609	08316	08024	07735	07448	07162	06879	06597	06317
39	09495	09196	08899	08604	08311	08020	07730	07443	07158	06874	06592	06312
40	09490	09191	08894	08599	08306	08015	07726	07438	07153	06869	06588	06308
41	09485	09186	08889	08594	08301	08010	07721	07433	07148	06865	06583	06303
42	09480	09181	08884	08589	08296	08005	07716	07429	07143	06860	06578	06298
43	09475	09176	08879	08584	08291	08000	07711	07424	07139	06855	06574	06294
44	09470	09171	08874	08579	08286	07995	07706	07419	07134	06850	06569	06289
45	09465	09166	08869	08575	08282	07991	07702	07414	07129	06846	06564	06284
46	09460	09161	08865	08570	08277	07986	07697	07410	07124	06841	06560	06280
47	09455	09156	08860	08565	08272	07981	07692	07405	07120	06836	06555	06275
48	09450	09151	08855	08560	08267	07976	07687	07400	07115	06832	06550	06271
49	09445	09147	08850	08555	08262	07971	07682	07395	07110	06827	06545	06266
50	09440	09142	08845	08550	08257	07966	07678	07391	07105	06822	06541	06261
51	09435	09137	08840	08545	08252	07962	07673	07386	07101	06817	06536	06257
52	09430	09132	08835	08540	08248	07957	07668	07381	07096	06813	06531	06252
53	09425	09127	08830	08535	08243	07952	07663	07376	07091	06808	06527	00247
54	09420	09122	08825	08530	08238	07947	07658	07371	07087	06803	06522	06243
55	09415	09117	08820	08526	08233	07942	07654	07367	07082	06799	06517	06238
56	09410	09112	08815	08521	08228	07937	07649	07362	07077	06794	06513	06233
57	09405	09107	08810	08516	08223	07933	07644	07357	07072	06789	06508	06229
58	09400	09102	08805	08511	08218	07928	07639	07352	07068	06785	06503	06224
59	09395	09097	08800	08506	08213	07923	07634	07348	07063	06780	06499	06219
60	09390	09092	08796	08501	08209	07918	07630	07343	07058	06775	06494	06215

2 Degrees, or 2 Hour	S
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"	36′	37′	38′	39′	40′	41′	42′	43′	44′	45′	46′	47′
0	06215	05937	05662	05388	05115	04845	04576	04308	04043	03779	03516	03256
1	06210	05933	05657	05383	05111	04840	04571	04304	04038	03774	03512	03251
2	06206	05928	05652	05378	05106	04836	04567	04300	04034	03770	03508	03247
3	06201	05923	05648	05374	05102	04831	04562	04295	04030	03766	03503	03243
4	06196	05919	05643	05369	05097	04827	04558	04291	04025	03761	03499	03238
5	06192	05914	05639	05365	05093	04822	04553	04286	04021	03757	03495	03234
6	06187	05910	05634	05360	05088	04818	04549	04282	04016	03753	03490	03230
7	06182	05905	05629	05356	05084	04813	04544	04277	04012	03748	03486	03225
8	06178	05900	05625	05351	05079	04809	04540	04273	04008	03744	03482	03221
9	06173	05896	05620	05347	05075	04804	04536	04269	04003	03739	03477	03217
10	06168	05891	05616	05342	05070	04800	04531	04264	03999	03735	03473	03212
11	06164	05887	05611	05337	05066	04795	04527	04260	03994	03731	03469	03208
12	06159	05882	05607	05333	05061	04791	04522	04255	03990	03726	03464	03204
13	06155	05877	05602	05328	05056	04786	04518	04251	03986	03722	03460	03199
14	06150	05873	05597	05324	05052	04782	04513	04246	03981	03717	03455	03195
15	06145	05868	05593	05319	05047	04777	04509	04242	03977	03713	03451	03191
16	06141	05864	05588	05315	05043	04773	04504	04237	03972	03709	03447 03442 03438 03434 03429	03186
17	06136	05859	05584	05310	05038	04768	04500	04233	03968	03704		03182
18	06131	05854	05579	05306	05034	04764	04495	04229	03963	03700		03178
19	06127	05850	05575	05301	05029	04759	04491	04224	03959	03696		03173
20	06122	05845	05570	05297	05025	04755	04486	04220	03955	03691		03169
21	06117	05841	05565	05292	05020	04750	04482	04215	03950	03687	03425	03165
22	06113	05836	05561	05288	05016	04746	04478	04211	03946	03682	03421	03160
23	06108	05831	05556	05283	05011	04741	04473	04206	03941	03678	03416	03156
24	06104	05827	05552	05278	05007	04737	04469	04202	03937	03674	03412	03152
25	06099	05822	05547	05274	05002	04732	04464	04198	03933	03669	03408	03147
26	06094	05818	05543	05269	04998	04728	04460	04193	03928	03665	03403	03143
27	06090	05813	05538	05265	04993	04723	04455	04189	03924	03661	03399	03139
28	06085	05808	05533	05260	04989	04719	04451	04184	03919	03656	03395	03134
29	06080	05804	05529	05256	04984	04714	04446	04180	03915	03652	03390	03130
30	06076	05799	05524	05251	04980	04710	04442	04175	03911	03647	03386	03126
31	06071	05795	05520	05247	04975	04706	04437	04171	03906	03643	03381	03121
32	06067	05790	05515	05242	04971	04701	04433	04167	03902	03639	03377	03117
33	06062	05785	05511	05238	04966	04697	04429	04162	03897	03634	03373	03113
34	06057	05781	05506	05233	04962	04692	04424	04158	03893	-03630	03368	03108
35	06058	05776	05501	05228	04957	04688	04420	04153	03889	03626	03364	03104
36	06048	05772	05497	05224	04953	04683	04415	04149	03884	03621	03360	03100
37	06043	05767	05492	05219	04948	04679	04411	04144	03880	03617	03355	03096
38	06039	05762	05488	05215	04944	04674	04406	04140	03875	03612	03351	03091
39	06034	05758	05483	05210	04939	04670	04402	04136	03871	03608	03347	03087
40	06030	05753	05479	05206	04935	04665	04397	04131	03867	03604	03342	03083
41	06025	05749	05474	05201	04930	04661	04393	04127	03862	03599	03338	03078
42	06020	05744	05470	05197	04926	04656	04388	04122	03858	03595	03334	03074
43	06016	05739	05465	05192	04921	04652	04384	04118	03853	03591	03329	03070
44	06011	05735	05460	05188	04917	04647	04380	04114	03849	03586	03325	03065
45	06006	05730	05456	05183	04912	04643	04375	04109	03845	03582	03321	03061
46	06002	05726	05451	05179	04908	04638	04371	04105	03840	03578	03316	03057
47	05997	05721	05447	05174	04903	04634	04366	04100	03836	03573	03312	03052
48	05993	05717	05442	05170	04899	04629	04362	04096	03832	03569	03308	03048
49	05988	05712	05438	05165	04894	04625	04357	04091	03827	03564	03303	03044
50	05983	05707	05433	05161	04890	04620	04353	04087	03823	03560	03299	03039
51	05979	05703	05429	05156	04885	04616	04348	04083	03818	03556	03295	03035
52	05974	05698	05424	05151	04881	04612	04344	04078	03814	03551	03290	03031
53	05970	05694	05419	05147	04876	04607	04340	04074	03810	03547	03286	03026
54	05965	05689	05415	05142	04872	04603	04335	04069	03805	03543	03282	03022
55	05960	05684	05410	05138	04867	04598	04331	04065	03801	03538	03277	03018
56	05956	05680	05406	05133	04863	04594	04326	04061	03796	03534	03273	03014
57	05951	05675	05401	05129	04858	04589	04322	04056	03792	03530	03269	03009
58	05947	05671	05397	05124	04854	04585	04317	04052	03788	03525	03264	03005
59	05942	05666	05392	05120	04849	04580	04313	04047	03783	03521	03260	03001
60	05937	05662	05388	05115	04845	04576	04308	04043	03779	03516	03256	02996

2	DEGREES,	OR	2	Hours.
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"	48′	49′	50′	51 ′	52 ′	53′	54'	55 ′	56′	57′	58′	59′
0 1 2	02996 02992 02988	02739 02734 02730	02482 02478 02474	02228 02223 02219	01974 01970 01966	01723 01718 01714	01472 01468 01464	01223 01219 01215	00976 00972 00968	00730 00726 00722	00485 00481 00477	00242 00238 00234
3 4 5	02983 02979 02975	02726 02721 02717	02470 02465 02461	02215 02211 02206	01962 01958 01953	01710 01706 01702	01460 01456 01452	01211 01207 01203	00964 00960 00955	00718 00714 00709	00473 00469 00465	00230 00226 00222
6 7	02970 02966	02713 02709	02457 02453	02202 02198	01949 01945	01698 01693	01447 01443	01199 01195	00951 00947	00705 00701	00461 00457	00218 00214
8 9 10	02962 - 02958 02953	02704 02700 02696	02448 02444 02440	02194 02190 02185	01941 01937 01932	01689 01685 01681	01439 01435 01431	$01190 \\ 01186 \\ 01182$	00943 00939 00935	00697 00693 00689	00453 00449 00445	00210 00206 00202
11 12	02949 02945	02692 02687	02436 02431	02181 02177	01928 01924	01677 01672	01427 01422	01178 01174	00931	00681	00441 00436 00432	00197 00193 00189
13 14 15	02940 02936 02932	$\begin{array}{c} 02683 \\ 02679 \\ 02674 \end{array}$	$\begin{array}{c} 02427 \\ 02423 \\ 02419 \end{array}$	$\begin{array}{c} 02173 \\ 02168 \\ 02164 \end{array}$	01920 01916 01911	01668 01664 01660	01418 01414 01410	01170 01166 01161	00923 00918 00914	00677 00673 00669	00432 00428 00424	00185 00181
16 17	02927 02923 02919	02670 02666 02662	02414 02410 02406	$02160 \\ 02156 \\ 02152$	01907 01903 01899	01656 01652 01647	01406 01402 01398	01157 01153 01149	00910 00906 00902	00665 00660 00656	00420 00416 00412	00177 00173 00169
18 19 20	02915 02910	02657 02653	02402 02397	$02132 \\ 02147 \\ 02143$	01895 01890	01643 01639	01393 01389	01145 01141	$00898 \\ 00894$	$00652 \\ 00648$	00408 00404	00165 00161
21 22 23	02906 02902 02897	02649 02644 02640	02393 02389 02385	$02139 \\ 02135 \\ 02130$	01886 01882 01878	01635 01631 01627	01385 01381 01377	01137 01133 01128	00890 00886 00881	00644 00640 00636	00400 00396 00392	00157 00153 00149
24 25	02893 02889	$\begin{array}{c} 02636 \\ 02632 \end{array}$	$02380 \\ 02376$	$02126 \\ 02122$	01874 01869	$01622 \\ 01618$	01373 01368	$01124 \\ 01120$	00877 00873	00632 00628	00388 00384	00145 00141
26 27 28	02884 02880 02876	02627 02623 02619	02372 02368 02363	02118 02114 02109	01865 01861 01857	01614 01610 01606	01364 01360 01356	01116 01112 01108	00869 00865 00861	00624 00620 00616	00380 00376 00372	00137 00133 00129
29 · 30	02872 02867	02615 02610	02359 02355	02105 02101	01853 01848	01601 01597	01352 01348	01104 01100 01095	00857 00853 00849	00611 00607 00603	00367 00363 00359	00125 00121 00117
31 32 33	02863 02859 02854	02606 02602 02597	$02351 \\ 02346 \\ 02342$	02097 02092 02088	01844 01840 01836	01593 01589 01585	01344 01339 01335	01091 01087	00845 00840	00599 00595	00355 00351 00347	00113 00109 00105
34 35	02850 02846	02593 02589 02585	02338 02334 02329	02084 02080 02076	01832 01827 01823	01581 01576 01572	01331 01327 01323	01083 01079 01075	00836 00832 00828	00591 00587 00583	00343	00101
36 37 38	02841 02837 02833	02580 02576	$02325 \\ 02321$	$02071 \\ 02067$	01819 01815	01568 01564 01560	01319 01315 01310	01071 01067 01062	00824 00820 00816	00579 00575 00571	00335 00331 00327	00093 00089 00085
39 40	02829 02824 02820	02572 02568 02563	02317 02312 02308	02063 02059 02054	01811 01806 01802	01556 01551	01306 01302	01058 01054	00812 00808	00567 00563	00323 00319	00080 00076
41 42 43	02816 02811	02559 02555	02304 02300 02295	02050 02046 02042	01798 01794 01790	01547 01543 01539	01298 01294 01290	01050 01046 01042	00804 00799 00795	00559 00554 00550	00315 00311 00307	00072 00068 00064
44 45	02807 02803 02799	02551 02546 02542	02291 02287	02042 02038 02033	01785 01781	01535 01531	01286 01281	01038 01034	00791 00787	00546 00542	00303 00299	00060 0005 6
46 47 48	02794 02790	02538 02533	02283 02278 02274	02029 02025	01777 01773 01769	01526 01522 01518	01277 01273 01269	01029 01025 01021	00783 00779 00775	00538 00534 00530	00295 00290 00286	00052 00048 00044
49 50	02786 02781 02777	02525	02274 02270 02266	02017	01764 01760	01514 01510	01265 01261	01017 01013	00771 00767	00526 00522	00282 00278	00040 00036
51 52 53	02773	02516 02512	02262 02257	02008 02004	01756 01752 01748	01506 01501 01497	01257 01252 01248	01009 01005 01001	00763 00759 00754	00518 00514 00510	00274 00270 00266	00032 00028 00024
54 55 56	02764 02760 02756	02504	02249	01995	01744 01744 01739		01244 01240	00997 00992	00750 00746	00506 00502	00262 00258	00020
57 58	02751 02747	02495 02491	02240	01987 01983	01735 01731 01727	01485 01481 01476	01236 01232 01228	00984	00742 00738 00734	00497 00493 00489	00254 00250 00246	00012 00008 00004
60 60	02749 02739				01723				00730	00485	00242	00000

DECLINATIONS.

					,	,		1		1		
Lat.	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°
1° 2 3 4 5 6 7 8 9 10 11 12 13 14 15 6 17 18 19 20 11 12 22 23 24 15 26 27 28 29 30 31 32 24 24 33 34 44 45 6 47 8 49 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 0 0 0 2 2 0 0 1 1 2 2 2 2 2 3 3 4 2 2 2 2 2 2 2 2 2 2 2 2	3 0 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6° 0' 0' 66 0 1 1 6 1 3 5 6 6 6 7 6 6 1 1 1 6 1 2 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7° 0' 77 11 77 12 77 2 3 77 7 12 77 7 2 3 77 7 7 11 77 12 77 7 3 4 77 7 7 11 77 19 77 22 77 33 77 14 77 19 77 22 77 38 77 148 8 21 77 38 8 21 77 48 8 21 77 38 8 21 77 48 8 21 71 11 71 12 71 12 71 12 71 12 71 13 71 14 71 15 71 12 71 13 71 15 71 16	8° 0' 88 11 88 22 88 34 88 56 88 9 9 18 113 88 128 88 88 88 88 88 88 88 88 88 88 88 88 8	9° 0' 9° 0' 9° 0' 9° 1 9° 1 1 9° 12 9° 28 9° 12 9° 3 9° 5 9° 8 9° 10 9° 12 9° 14 9° 5 9° 8 9° 10	10° 0′ 10° 0 1 10° 1 1 10° 1 2 10° 3 1 10° 1 6 10° 8 10° 8 10° 9 10° 11 10° 14 10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	11° 0' 11 0 11 1 11 12 11 13 11 4 11 17 11 18 11 10 11 124 11 131 11 124 11 131 11 131 11 131 11 131 11 131 11 131 11 131 11 131 11 133 11 14 38 11 15 38 11 12 38 11 12 38 11 15 39 11 16 17 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 11 18 18 18 18 18 11 18 18 18 18 18 11 18 18 18 18 18 18 11 18 18 18 18 18 18 18 18 18 18 18 18 1	12° 0′ 12 1 12 2 1 12 2 3 12 2 4 12 2 3 12 2 4 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 13 12 12 12 12 13 13 13 16 14 12 12 13 33 13 16 14 12 11 14 42 11 14 42 11 14 42 11 14 42 11 14 42 11 15 15 15 15 16 18 17 65 17 45 61 18 29 18 17 19 44 18 29 18 17 19 44 19 17 19 44 19 18 29 18 17 19 44 19 17 19 44 10 18 29 11 19 17 19 44 11 15 15 15 15 15 15 15 15 15 15 15 15 1

DECLINATIONS.

Lat.	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	23° 28
1° 2 3 4 5 6 7 8 9 10 11 12 13 14 15	13° 0′ 13 0 13 1 13 2 13 3 13 4 13 6 13 8 13 10 13 12 13 15 13 18 13 24 13 28	14° 0′ 14 1 14 1 14 2 14 3 14 5 14 6 14 8 14 11 14 13 14 16 14 19 14 23 14 26 14 30	15° 0′ 15 1 16 1 15 2 15 4 15 5 7 15 11 15 14 15 17 15 21 15 22 15 28 15 33	16° 0′ 16 1 16 2 16 4 16 5 16 10 16 12 16 15 16 18 16 22 16 23 16 30 16 30 16 35	17° 0' 17 1 17 1 17 3 17 4 17 6 17 10 17 13 17 16 17 20 17 24 17 28 17 32 17 37	18° 0′ 18 1 18 2 18 3 18 4 18 6 18 11 18 14 18 17 18 21 18 25 18 29 18 39	19° 0′ 19 1 19 2 19 3 19 5 19 7 19 19 19 19 15 19 18 19 22 19 26 19 36 19 36 19 42	20° 0′ 20 1 20 2 20 3 20 5 20 7 20 12 20 16 20 19 20 24 20 28 20 38 20 38 20 44	21° 0′ 21 1 21 2 21 3 21 5 21 7 21 10 21 13 21 16 21 20 21 25 21 30 21 30 21 40 21 47	22° 0′ 22 1 22 2 22 3 22 5 22 8 22 10 22 14 22 17 22 21 22 26 22 31 22 32 22 43 22 49	23° 0′ 23 1 23 2 23 4 23 6 23 8 123 14 23 18 23 23 27 23 33 23 24 52 23 52	23° 28' 29 23 29 23 30 23 32 23 34 23 36 23 39 23 43 23 47 23 51 24 1 24 1 24 14 24 21
16 17 18 19 20 21 22 23 24 25 26 27	13 32 13 36 13 41 13 46 13 51 14 2 14 9 14 15 14 22 14 30 14 37 14 46	14 35 14 39 14 44 14 49 14 55 15 7 15 7 15 14 15 21 15 29 15 37 15 45 15 54	15 37 15 42 15 47 15 53 15 59 16 6 16 13 16 20 16 27 16 36 16 44 16 53 17 3	16 40 16 45 16 51 16 57 17 3 17 10 17 18 17 25 17 34 17 42 17 52 18 1 18 11	17 42 17 48 17 54 18 1 18 8 18 15 18 23 18 31 18 40 18 49 18 59 19 9	18 45 18 51 18 58 19 5 19 12 19 20 19 28 19 37 19 46 19 56 20 7 20 18 20 29	19 48 19 54 20 1 20 8 20 16 20 25 20 33 20 43 20 53 21 3 21 14 21 26 21 38	20 51 20 57 21 5 21 12 21 21 21 29 21 39 21 49 21 59 22 10 22 22 22 34 22 47	21 53 22 1 22 8 22 16 22 25 22 34 22 44 22 55 23 18 23 30 23 43 23 57	22 56 23 4 23 12 23 20 23 30 23 39 23 50 24 1 24 13 24 25 24 38 24 52 25 6	23 59 24 7 24 15 24 25 24 34 24 45 25 7 25 19 25 32 25 46 26 1 26 16	24 28 24 36 24 45 24 54 25 15 25 26 25 38 25 51 26 4 26 18 26 33 26 48
29 30 31 32 33 34 35 36 37 38 39 40	14 54 15 3 15 13 15 23 15 34 15 45 15 56 16 9 16 22 16 35 16 50 17 5	16 3 16 13 16 24 16 34 16 46 16 58 17 11 17 24 17 38 17 53 18 8 18 25	17 13 17 23 17 34 17 46 17 59 18 11 18 25 18 39 18 55 19 10 19 27 19 45	18 22 18 34 18 45 18 58 19 11 19 25 19 40 19 55 20 11 20 28 20 46 21 5	19 32 19 44 19 57 20 10 20 24 20 39 20 55 21 11 21 28 21 47 22 6 22 26	20 41 20 54 21 8 21 22 21 37 21 53 22 10 22 27 22 46 23 5 23 26 23 47	21 51 22 5 22 19 22 35 22 51 23 7 23 25 23 44 24 3 24 24 24 46 25 9	23 16 23 31 23 47 24 4 24 22 24 41 25 1 25 21 25 43 26 7 26 31	24 11 24 27 24 43 25 0 25 18 25 37 25 57 26 18 26 40 27 3 27 28 27 28	25 22 25 38 25 55 26 13 26 32 27 13 27 35 27 58 28 23 28 49 29 17	26 32 26 49 27 7 27 26 27 46 28 7 28 29 28 53 29 17 29 44 30 11 30 40	27 5 27 23 27 41 28 0 28 21 28 42 29 5 29 29 29 55 30 21 30 49 31 19
41 42 43 44 45 46 47 48 49 50 51 52	17 20 17 37 17 55 18 13 18 33 18 54 19 16 19 39 20 3 20 29 20 57 21 26	18 42 19 0 19 19 19 39 20 0 20 23 20 47 21 12 21 38 22 7 22 36 23 8	20 3 20 23 20 44 21 5 21 28 21 53 22 18 22 45 23 14 23 45 24 17 24 52	21 25 21 46 22 8 22 32 22 57 23 23 23 50 24 20 24 51 25 24 25 59 26 36	22 48 23 10 23 34 23 59 24 25 24 53 25 23 25 55 26 28 27 41 28 21	24 10 24 34 25 00 25 26 25 55 26 25 26 57 27 30 28 6 28 44 29 25 30 8	25 33 25 59 26 26 26 55 27 25 27 57 28 31 29 7 29 45 30 26 31 9 31 56	26 57 27 24 27 53 28 23 28 56 29 30 30 6 30 44 31 25 32 9 32 55 33 45	28 21 28 50 29 20 29 53 30 27 31 3 31 42 32 23 33 7 33 53 34 43 35 36	29 46 30 16 30 49 31 23 31 59 32 38 33 19 34 49 35 39 36 32 37 29	31 11 31 43 32 18 32 54 33 33 34 14 34 57 35 44 36 33 37 26 38 23 39 24 40 29	31 51 32 24 32 59 33 37 34 16 34 59 35 43 36 31 37 22 38 17 39 15 40 18 41 26
53 54 55 56 57 58 59 60 61 62 63 64	21 57 22 30 23 5 23 43 24 24 25 7 25 54 26 44 27 39 28 38 29 42 30 52	23 42 24 18 24 57 25 38 26 22 27 10 28 1 28 56 29 56 31 1 32 12 33 30	25 28 26 7 26 49 27 34 28 22 29 14 30 10 31 10 32 16 33 27 34 45 36 11	27 16 27 58 28 43 29 32 30 24 31 21 32 21 33 27 34 39 35 57 37 23 38 58	29 4 29 50 30 39 31 31 32 28 33 29 34 35 35 47 37 5 38 31 40 5 41 50	30 54 31 43 32 36 33 33 34 34 35 40 36 52 38 10 39 36 41 10 42 54 44 49	32 45 33 38 34 35 35 36 36 43 37 54 40 38 42 11 43 54 45 49 47 58	34 38 35 35 36 36 37 42 38 54 40 12 41 37 43 10 44 52 46 46 48 53 51 17	36 33 37 34 38 40 39 51 41 9 42 33 44 6 45 47 47 40 49 46 52 8 54 50	38 30 39 36 40 47 42 4 43 27 44 59 46 40 48 31 50 36 52 56 55 36 58 43	40 29 41 40 42 56 44 20 45 50 47 30 49 21 51 24 53 42 56 20 59 23 63 2	41 26 42 39 43 58 45 24 46 59 48 43 50 38 52 47 55 13 58 1 61 18 65 17

A TABLE SHEWING THE TIME OF THE SUN'S SETTING, WHEN
AND THE TIME OF ITS RISING, WHEN THE LATITUDE

					I	ECLI	NATIO	N.				-	
Lat.	0°	1°	2°	3°	4 °	5°	6°	7°	8°	9°	10°	11°	12°
1° 2 3 4 5 6 7 8 9 10 112 3 14 15 6 17 8 19 20 21 22 3 24 5 26 27 28 29 30 31 2 23 24 5 6 37 3 39 41 42 44 44 5 55 55 55 55 55 55 55 55 55 55 5	H. M. 6 00 6 00 6 00 6 00 6 00 6 00 6 00	H. M. 6 00 6 00 6 00 6 00 6 00 6 00 6 00	H M M 6 6 00 6 6 00 6 6 00 16 6 01 16 6 01 16 6 01 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 6 00 16 10 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 16 6 11 18 6 11	H. M. G. 000 G.	H. M. M. 66 00 10 66 01 16 00 11 66 01 16 00 11 66 01 16 00 11 66 01 16 00 11 60 01 16 00 11	H. M. O. O. O. O. O. O. O. O. O. O. O. O. O.	H. M. M. G. GO GO GO GO GO GO GO GO GO GO GO GO GO	H. M. d. 6 00 16 01 16 0	H. M. 16 01 6 01 6 02 6 02 6 02 6 02 6 02 6 0	H. M. H. H. H. H. H. H. H. H. H. H. H. H. H.	L. M. 01	H. M. I. 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02 6 6 02	H. M. 6 012 6 033 6 045 6 066 6 099 6 6 101 12 6 6 12 2 6 6 14 16 6 17 8 6 6 12 2 3 16 6 22 3 16 6 32 3 3 3 6 6 3 4 6 6 4 7 9 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10

THE LATITUDE AND DECLINATION ARE OF THE SAME NAME; AND DECLINATION ARE OF DIFFERENT NAMES.

					DI	ECLINA	ATION.					
Lat.	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	23° 28′
1° 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 13 32 33 4 35 6 37 38 39 4 4 1 4 2 4 3 4 4 4 5 6 6 5 1 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	H. M. 66 012 66 036 66 046 66 066 66 066 076 088 67 076 076 077 077 077 077 077 77 077 77 077 77 077 77	H. M. 6 6 02 6 03 4 6 05 6 6 02 6 03 6 05 6 6 07 6 08 6 09 6 10 1 6 12 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 6 03 6 02 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 30 7 34 7 37 7 42 7 46	7 29 7 33 7 37 7 41 7 45 7 49 7 54	7 17 7 19 7 22 7 25 7 29 7 32 7 36 7 40 7 44 7 48 7 52 7 57 8 02		7 58 7 58 8 03 8 08 8 14 8 20	7 56 8 00 8 05 8 11 8 16 8 22 8 29	8 32 8 39	H. M. 66 036 66 066 08 68 66 08 68 66 08 88 66 08 91 77 70 88 68 68 68 68 68 68 68 68 68 68 68 68	H. M. 6 6 023 6 057 6 096 6 096 6 12 6 12 6 12 6 12 6 12 6 12 6 24 6 15 6 17 6 22 6 24 6 32 6 34 6 42 6 32 6 34 6 42 6 46 6 55 7 02 7 7 17 7 20 7 7 12 7 7 17 7 20 7 7 33 7 37 7 37 7 34 7 553 7 37 7 34 7 553 7 37 7 38 8 06 8 12 8 12 8 23 8 43 8 23 8 43 9 00 9 09	H. M. 6 03 6 05 6 09 6 12 6 18 6 18 6 18 6 18 6 18 6 21 6 25 6 29 6 31 6 32 6 36 6 36 6 37 6 39 6 37 7 16 7 16 7 16 7 18 7 19 7 22 7 36 7 19 7 22 7 36 7 19 7 22 7 36 8 06 8 10 8 15 8 27 8 38 8 48 8 48 8 48 8 48 8 48 9 05

MERIDIONAL PARTS.

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
э.	0	1	2	3	4	5	6	7	8	9	Mi
	•0	60.0	120.0	180.1	240.2	300.4	360.7	421.1	481.6	542.2	0
L	1.0	61.0	121.0	181.1	241.2	301.4	361.7	422.1	482.6	543.3	1
2	2.0	62.0	122.0	182.1	242.2	302.4	362.7	423.1	483.6	544.3	2
3	3.0	63.0	123.0	183.1	$243 \cdot 2$	303.4	363.7	424.1	484.6	545.3	1
4	4.0	64.0	124.0	184.1	244.2	304.4	364.7	425.1	485.6	546.3	1
5	5.0	65.0	125.0	185.1	245.2	305.4	365.7	426.1	486.6	547.3	1
3	6·0 7·0	66.0 67.0	126.0 127.0	186·1 187·1	$246.2 \\ 247.2$	306·4 307·4	366·7 367·7	427·1 428·1	487·6 488·6	548·3 549·3	
3	8.0	68.0	128.0	188.1	248.2	308.4	368.7	429.1	489.6	550.3	1
j	9.0	69.0	129.0	189.1	249.2	309.4	369.7	430.1	490.7	551.4	1
)	10.0	70.0	130.0	190.1	250.2	310.4	370.7	431.1	491.7	552.4	1
1	11.0	71.0	131.0	191.1	251.2	311.4	371.7	432.1	492.7	553.4	1
2 8	12.0	72.0	132.0	192.1	252.2	312.4	372.7	433.1	493.7	554.4	1
4	13.0	73.0	133.0	193.1	253.2	313.4	373.7	434.2	494.7	555.4	i
5	14·0 15·0	74·0 75·0	134.0 135.0	194·1 195·1	254·2 255·2	314·4 315·4	374·7 375·7	435·2 436·2	495·7 496·7	556·4 557·4	1
6	16.0	76.0	136.0	196.1	256.2	316.4	376.8	437.2	497.7	558.4	1
7	17.0	77.0	137.0	197.1	257.2	317.5	377.8	438.2	498.7	559.4	1
8	18.0	78.0	138.0	198.1	258.2	318.5	378.8	439 2	499.8	560.5	1
9	19.0	79.0	139.0	199.1	259.2	319.5	379.8	440.2	500.8	561.5	,1
0	20.0	80.0	140.0	200.1	260.2	320.5	380.8	441.2	501.8	562.5	2
$\frac{1}{2}$	21·0 22·0	81·0 82·0	141.0 142.0	201·1 202·1	261·3 262·3	321·5 322·5	381·8 382·8	442·2 443·2	502.8 503.8	563·5 564·5	2 2
3	23.0	83.0	142.0	202-1	263.3	323.5	383.8	444.2	504.8	565.5	2
4	24.0	84.0	144.0	204 1	264.3	324.5	384.8	445.2	505.8	566.6	2
5	25.0	85.0	145.0	205.1	265.3	325.5	385.8	446.3	506.8	567.6	2
6	26.0	86.0	146.0	206.1	266.3	326.5	386.8	447.3	507.8	568.6	2
7	27.0	87.0	147.0	207.1	267.3	327.5	387.8	448.3	508.9	569.6	2
8	28.0	88.0	148.0	208.1	268.3	328.5	388.8	449.3	509.9	570.6	2
9	29·0 30·0	89.0	149.0 150.0	209·1 210·1	269·3 270·3	329·5 330·5	389·8	450·3 451·3	510.9 511.9	571.6 572.6	3
1	31.0	91.0	151.0	211.1	271.3	331.5	391.8	452.3	512.9	573.7	3
2	32.0	92.0	152.0	212.1	272.3	332.5	392.9	453.3	513.9	574.7	3
3	33.0	93.0	153.1	213.1	273.3	333.2	393.9	454.3	514.9	575.7	3
4	34.0	94.0	154.1	214.1	274 3	334.5	394.9	455.3	515.9	576-7	3
5	35.0	95.0	155.1	215.1	275.3	335.5	395.9	456.3	516.9	577.7	3
6	36.0	96.0	156.1	216.1	276.3	336.2	396.9	457 3	518.0	578.7	9
7	37.0	97.0	157.1	217.1	277.3	337.5	397.9	458.4	519.0	579.7	3
9	39.0	98.0	158·1 159·1	218·1 219·1	278 ·3 279 ·3	338·5 339·6	398·9	459·4 460·4	520·0 521·0	580.8	3
0	40.0	100.0	160.1	220.5	280.3	340.6	400.9	461.4	522.0	581·8 582·8	4
1	41.0	101.0	161.1	221.2	281.3	341.6	401.9	462.4	523.0	583.8	4
2	42.0	102.0	162.1	222.2	282.3	342.6	402.9	463.4	524.0	584.8	4
3	43.0	103.0	163.1	223.2	283.3	343.6	403.9	464.4	525.0	585.8	4
4 5	44·0 45·0	104·0 105·0	164·1 165·1	224·2 225·2	284·3 285·3	344·6 345·6	404·9 405·9	465·4 466·4	526.0 527.1	586·8 587·9	4
6	46.0	106.0	166.1	226.2	286.3	346-6	407.0	467.4	528.1	588.9	4
7	47.0	107.0	167.1	227.2	287.3	340.6	408.0	468.4	529.1	589.9	4
8	48.0	108.0	168.1	228.2	288.3	348.6	409.0	469.5	530.1	590.9	4
9	49.0	109.0	169.1	229.2	289.3	349.6	410.0	470.5	531.1	591.9	4
0	50.0	110.0	170.1	230.2	290.3	350.6	411.0	471.5	532.1	592.9	E
1	51.0	111.0	171.1	231.2	291.3	351.6	412.0	472.5	533.1	593.9	1 5
2	52.0	112.0	172.1	232.2	292.4	352.6	413.0	473.5	534.1	595.0	1
53 54	53·0 54·0	113·0 114·0	173.1	233.2	293.4	353.6	414.0	474.5	535.1	596.0	5
55	55.0	115.0	174·1 175·1	234·2 235·2	294·4 295·4	354·6 355·6	415.0 416.0	475·5 476·5	536·2 537·2	597·0 598·0	1 6
56	56.0	116.0	176.1	236.2	296.4	356.6	417.0	477.5	538.2	599.0	E
57	57.0	117.0	177.1	237.2	297.4	357.6	418.0	478.5	539.2	600.0	1 8
8	58.0	118.0	178.1	238.2	298.4	358.6	419.0	479.5	540.2	601.0	5
69	59.0	119.0	179.1	239.2	299.4	359.6	420.0	480.5	541.2	602.1	5

MERIDIONAL PARTS.

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
Min.	10	11	12	13	14	15	16	17	18	19	Min.
0	603.1	664.1	725.3	786.8	848.5	910.5	972.8	1035.3	1098-2	1161.5	0
1	$604 \cdot 1$	665.1	726.4	787.8	849.5	911.5	973.8	1036.3	1099.3	1162.5	1
2	605.1	666.1	727.4	788.8	850.5	912.6		1037.4	1100.3	1163.6	2 3
3	606.1	667.1	728.4	789.9	851.6	913.6	975.9	1038.4	1101.4	1164.7	
4	607.1	668.1	729.4	790.9	852.6	914.6	976.9	1039.5	1102.4	1165.7	4
5	608.2	669.2	730.5	791.9	853.6	915.7	978.0	1040.5	1103.5	1166.8	5
6	609·2 610·2	670·2 671·2	731·5 732·5	792·9 794·0	854.7 855.7	916·7 917·7	979·0 980·0	1041·6 1042·6	1104·5 1105·6	1167·8 1168·9	6
8	611.2	672.2	733.5	795.0	856.7	918.8	981.1	1043.7	1106.6	1170.0	8
9	612.2	673.2	734.5	796.0	857.8	919.8	982.1	1044.7	1107.7	1171.0	9
10	613.2	674.3	735.6	797.0	858*8	920.8	983.2	1045.8	1108.7	1172.1	10
11	614.2	675.3	736.6	798.1	859.8	921.9	984.2	1046.8	1109.8	1173.1	11
12	615.3	676.3	737.6	799.1	860.9	922.9	985.2	1047.9	1110.8	1174.2	12
13	616.3	677.3	738.6	800.2	861.9	923.9	986.3	1048.9	1111.9	1175.2	13
14 15	617·3 618·3	678·4 679·4	739·6 740·7	801 ·2 802 ·2	862·9 864·0	925·0 926·0	987·3 988·4	1049·9 1051·0	1112·9 1114·0	1176·3 1177·4	14 15
16	619.3	680.4	741.7	803.2	865.0	927.0	989.4	1052.0			1
17	620.3	681.4	742.7	804.2	866.0	928.1	990.4	1053.1	1115·0 1116·1	1178·4 1179·5	16
18	621.3	682.4	743.7	805*3	867.1	929.1	991.5	1054.1	1117 1	1180.5	18
19	622.4	683.4	744.8	806*3	868.1	930.1	992.5	1055.2	1118.2	1181.6	19
20	623.4	684.5	745.8	807.3	869.1	931.2	993.6	1056.2	1119•2	11827	20
21	624.4	685.5	746.8	808.4	870.1	932.2	994.6	1057:3	1120.3	1183.7	21
22	625.4	686.5	747.8	809.4	871.2	933.2	995.6	1058.3	1121.3	1184.8	22
23	626.4	687.5	748.9	810.4	872.2	934.3	996.7	1059.4	1122.4	1185.8	23
24 25	627·4 628·5	688·5 689·6	749·9 750·9	811·4 812·5	873 ·2 87 4·3	935·3 936·3	997·7 998·8	1060·4 1061·4	1123·4 1124·5	1186·9 1188·0	24 25
26	629.5	690.6	751.9	813.5	875.3	937.4	999.8	1062.5	1125.5		26
27	630.5	691.6	753.0	814.5	876.3	938.4	1000.8	1062.5	1126.6	1189·0 1190·1	27
28	631.5	692.6	754.0	815.5	877.4	939.4	1000 8	1064.6	1127.6	1191.1	28
29	632.5	693.6	755.0	816.6	878.4	940.5	1002.9	1065.6	1128.7	1192.2	29
30	633.5	694.7	756.0	817.6	879.4	941.5	1004.0	1066.7	1129.7	1193.2	80
31	634.6	695.7	757.1	818.6	880.5	942.5	1005.0	1067.7	1130.8	1194.3	31
32	635.6	696.7	758.1	819.6	881.5	943.6	1006.1	1068.8	1131.8	1195.4	32
33	636.6	697.7	$759 \cdot 1$	820.7	882.5	944.6	1007.1	1069.8	1132.9	1196.4	33
34	637.6	698.7	760.1	821.7	883.6	945.6	1008.1	1070.9	1134.0	1197.5	34
35	638.6	699.8	761.1	822.7	884.6	946.7	1009-2	1072.0	1135.1	1198.5	35
36	639.6	700.8	762.2	823 8	885.6	947.7	1010.2	1073.0	1136.1	1199.6	36
37	640.7	701.8	763.2	824.8	886.7	948.7	1011.3	1074.1	1137.2	1200.7	37
38	641.7	702.8	764.2	825.8	887.7	949.8	1012.3	1075.1	1138.2	1201.7	38
39	642.7 643.7	703·8 704·9	765·2 766·3	826·8 827·9	888·7 889·8	950·8 951·9	1013·4 1014·4	1076·2 1077·2	1139·3 1140·3	1202·8 1203·9	39 40
		705.9	767:3	828.9	890.8	952.9	1015.4	1078:3	1141.4	1204.9	41
41 42	644·7 645·8	706.9	768.3	829.9	891.8	953.9	1016.5	1079.3	1142.4	1206.0	42
43	646.8	707.9	769.3	831.0	892.9	955.0	1017.5	1080.4	1143.5	1207.1	43
44	647.8	709.0	770.4	832.0	893.9	956.0	1018.6	1081.4	1144.6	1208.1	44
45	648.8	710 0	771.4	833.0	894.9	957.1	1019.6	1082.5	1145.6	1209.2	45
46	649.8	711.0	772.4	834.1	896.0	958.1	1020.6	1083.5	1146.7	1210.2	46
47	650.8	712.0	773.4	835.1	897.0	959 2	1021.7	1084.6	1147.7	1211.3	47
48	651.9	713.0	774.5	836.1	898.0	960.2	1022.7	1085.6	1148.8	1212.4	48
49	652.9	$714 \cdot 1$	775.5	837.2	899.1	961.3	1023.8	1086.7	1149.8	1213.4	49
50	653.9	715.1	776.5	838.2	900.1	962.3	1024.8	1087.7	1150.9	1214.5	50
51	654.9	716.1	777.5	839-2	901-1	963·4 964·4	1025·9 1026·9	1088·8 1089·8	1152·0 1153·0	1215·5 1216·6	51 52
52	655 · 9 657 · 0	717.1	778·6 779·6	840·2 841·3	902·2 903·2	964.4	1026-9	1089.8	1154.1	1217.7	53
53		718.2			904.3	966.5	1029 0	1091.9	1155.1	1218.7	54
54 55	658·0	$719.2 \\ 720.2$	780·6 781·7	842·3 843·4	905.3	967.6	1030.1	1093.0	1156.2	1219.8	55
56	660.0	721.2	782.7	844.4	906.3	968.6	1031.1	1094.0	1157-2	1220.9	56
57	661.0	722.3	783.7	845.4	907.4	969.6	1032.2	1095.1	1158.3	1221.9	57
58	662.1	723.3	784.7	846.5	908.4	970.7	1033.2	1096.1	1159.4	1223.0	58
59	663.1	724.3	785.8	847.5	909.4	971.7	1034.3	1097.2	1160.4	1224.1	59

Min.	Deg. 20	Deg. 21	Deg. 22	Deg. 23	Deg. 24	Deg. 25	Deg. 26	Deg. 27	Deg. 28	Deg. 29	Min.
0	1225·1 1226·2	1289·2 1290·3	1353·7 1354·8	1418·6 1419·7	1484·1 1485·2	1550·0 1551·1	1616·5 1617·6	1683·5 1684·6	1751 ·2 1752 ·3	1819·5 1820·6	0
2	1227·3 1228·3	1291·3 1292·4	1355·8 1356·9	1420·8 1421·9	1486·3 1487·3	1552·2 1553·3	1618·7 1619·8	1685·8 1686·9	1753·4 1754·6	1821·7 1822·9	2 3
4	1228.3	1293.5	1358.0	1423.0	1488.4	1554.4	1620-9	1688.0	1755.7	1824.0	4
5	1230.4	1294.5	1359.0	1424.1	1489.5	1555.5	1622.0	1689.1	1756.8	1825.2	5
6	1231·5 1232·6	1295.6 1296.7	1360·1 1361·2	1425·1 1426·2	1490.6 1491.7	1556·6 1557·7	1623·2 1624·3	1690·3 1691·4	1758·0 1759·1	1826·3 1827·5	6
8	1232.6	1297.8	1362.3	1420 2	1492.8	1558.8	1625.4	1692.5	1760.2	1828.6	8
9	1234.7	1298.8	1363.4	1428.4	1493.9	1559 9	1626.5	1693.6	1761.4	1829.7	9
10	1235.8	1299 9	1364.5	1429.5	1495.0	1561.0	1627.6	1694.8	1762.5	1830.9	10
11 12	1236·8 1237·9	1301·0 1302·0	1365·6 1366·6	1430·6 1431·7	1496·1 1497·2	1562·1 1563·2	1628·7 1629·8	1695·9 1697·0	1763·6 1764·8	1832·0 1833·2	11 12
13	1239.0	1303.1	1367.7	1432.8	1498.3	1564.3	1631.0	1698.1	1765.9	1834.3	13
14 15	1240·0 1241·1	1304·2 1305·3	1368·8 1369·9	1433 · 9 1434 · 9	1499·4 1500·5	1565·4 1566·5	1632·1 1633·2	1699·3 1700·4	1767·0 1768·2	1835·5 1836·6	14 15
16 17	1242·2 1243·2	1306·3 1307·4	1370.9 1372.0	1436·0 1437·1	1501.6 1502.7	1567·6 1568·7	1634·3 1635·4	1701·5 1702·6	1769·3 1770·5	1837 ·8 1838 ·9	16
18	1244.3	1308.5	1373.1	1438.2	1503.8	1569.8	1636.5	1703.8	1771.6	1840.1	18
19	1245.4	1309.6	1374.2	1439.3	1504.9 1506.0	1571.0	1637·7 1638·8	1704·9 1706·0	1772.7	1841·2 1842·4	19 20
20	1246.4	1310.6	1375.3	1440.4		1572.1			1773.9		-
21 22	1247.5 1248.6	1311·7 1312·8	1376·4 1377·4	1441·5 1442·6	1507·1 1508·2	1573·2 1574·3	1639·9 1641·0	1707·1 1708·3	1775·0 1776·1	1843·5 1844·6	21 22
23	1249.6	1313.8	1378.5	1443.7	1509.3	1575.4	1642.1	1709.4	1777.2	1845.8	23
24 25	1250·7 1251·8	1314·9 1316·0	1379·6 1380·7	1444·8 1445·8	1510·4 1511·5	1576·5 1577·6	1643 · 2 1644 · 3	1710·5 1711·6	1778 · 4 1779 · 5	1846·9 1848·1	24 25
26 27	1252·8 1253·9	1317·1 1318·1	1381 ·8 1382 ·8	1446·9 1448·0	1512.6 1513.7	1578·7 1579·8	1645·5 1646·6	1712·8 1713·9	1780.6 1781.8	1849·2 1850·4	26 27
28	1255.0	1319.2	1383.9	1449.1	1514.8	1580.9	1647.7	1715.0	1783.0	1851.5	28
29	1256.0	1320·3 1321·4	1385.0	1450·2 1451·3	1515.9	1582.0	1648.8	1716.1	1784.1	1852.7	29
30	1257.1		1386.1		1517.0	1583.2	1649.9	1717:3	1785.2	1853.8	30
31	1258·2 1259·2	1322·5 1323·5	1387·2 1388·3	1452·4 1453·5	1518·1 1519·2	1584·3 1585·4	1651·0 1652·2	1718·4 1719·5	1786·4 1787·5	1855·0 1856·1	31 32
33	1260.3	1324.6	1389.4	1454.6	1520.3	1586.5	1653.3	1720.7	1788.6	1857.2	33
34 35	1261·4 1262·4	1325·7 1326·7	1390·4 1391·5	1455.6 1456.7	1521·4 1522·5	1587.6 1588.7	1654·4 1655·5	1721·8 1722·9	1789·8 1790·9	1858·4 1859·6	34 35
36	1263.5	1327.8	1392.6	1457.8	1523.6	1589.8	1656.6	1724.0	1792.1	1860.7	
37	1264.6	1328.9	1393.7	1458.9	1524.7	1590.9	1657.8	1725.2	1793.2	1861.9	36 37
38	1265.6	1330.0	1394.8	1460.0	1525.8	1592.0	1658.9	1726.3	1794.3	1863.0	38
39 40	1266·7 1267·8	1331·0 1332·1	1395·8 1396·9	1461·1 1462·2	1526.9 1528.0	1593·2 1594·3	1660·0 1661·1	1727·4 1728·6	1795·5 1796·6	1864·2 1865·3	39 40
41	1268.8	1333.2	1398.0	1463.3	1529.1	1595.4	1662.2	1729.7	1797.8	1866.5	41
42	1269.9	1334.3	1399.1	1464.4	1530.2	1596.5	1663.4	1730.8	1798.9	1867.6	42
43	1271·0 1272·1	1335·3 1336·4	1400·2 1401·3	1465·5 1466·6	1531·3 1532·4	1597.6 1598.7	1664·5 1665·6	1731·9 1733·1	1800·0 1801·2	1868 8	43
44 45	1273.1	1337.5	1401.3	1467.7	1533.2	1599.8	1666.7	1734.2	1801 2	1869·9 1871·1	44
46	1274.2	1338.6	1403.4	1468.8	1534.6	1600.9	1667.8	1735.3	1803.5	1872-2	46
47	1275.3	1339.7	1404.5	1469.8	1535.7	1602.0	1669.0	1736.5	1804.6	1873.4	47
48	1276·3 1277·4	1340·7 1341·8	1405·6 1406·7	1470·9 1472·0	1536·8 1537·9	1603·1 1604·3	$1670.1 \\ 1671.2$	1737.6 1738.7	1805·7 1806·9	1874·5 1875·7	48 49
50	1278.5	1342.9	1407.8	1473.1	1539.0	1605.4	1672.3	1739.9	1808.0	1876.8	50
51	1279.5	1344.0	1408.8	1474.2	1540.1	1606.5	1673.4	1741.0	1809.2	1878.0	51
52 53	1280·6 1281·7	1345·1 1346·1	1409·9 1411·0	1475·3 1476·4	1541·2 1542·3	1607·6 1608·7	1674·5 1675·7	$1742 \cdot 1$ $1743 \cdot 2$	1810·3 1811·4	1879.2	52
54	1282.8	1347.2	1412.1	1477.5	1543.4	1609.8	1676.9	1744.4	1811.4	1880·3 1881·5	53 54
55	1283.8	1348.3	1413-2	1478.6	1544.5	1610.9	1678.0	1745.5	1813.7	1882.6	55
56	1284.9	1349.4	1414.3	1479.7	1545.6	1612.0	1679.1	1746.6	1814.9	1883.8	56
57 58	1286·0 1287·0	1350·4 1351·5	1415·4 1416·5	1480·8 1481·9	1546·7 1547·8	1613·1 1614·2	1680·2 1681·3	1747.8 1748.9	1816.0 1817.2	1884·9 1886·1	57 58
							TOOL		1011 4		

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
Iin.	30	31	32	33	34	35	36	37	38	39	M
0	1888.4	1958.0	2028.4	2099.6	2171.5	2244.3	2318.0	2392.7	2468.3	2545.0	
i	1889.5	1959-2	2029.6	2100.7	2172.7	2245.5	2319.3	2393.9	2469.6	2546.2	
2	1890.7	1960.4	2030.7	2101.9	2173.9	2246.8	2320.5	2395.2	2470.8	2547.5	
3	1891.9	1961.6	2031.9	2103.1	2175.1	2248.0	2321.7	2396.4	$2472 \cdot 1$	2548.8	1
4	1893.0	1962.7	2033.1	2104.3	2176.3	2249.2	2323.0	2397.7	2473.4	2550.1	1
5	1894.1	1963.9	2034.3	2105.5	2177.5	2250.4	2324.2	2398.9	2474.6	2551.4	
6	1895·3 1896·5	1965·0 1966·2	2035·5 2036·7	2106·7 2107·9	2178·7 2180·0	2251.6 2252.9	2325·4 2326·7	2400.2	2475.9	2552.7	
7	1897.6	1967.4	2036.4	2107.9	2180.0	2254.1	2327.9	2401·4 2402·7	2477·1 2478·5	2554·0 2555·3	
8	1898.8	1968.5	2039.0	2110.3	2182.4	2255.3	2329.2	2403.9	2479.7	2556.6	
10	1899.9	1969.7	2040.2	2111.5	2183.6	2256.5	2330.4	2405.2	2481.0	2557.8	1 :
11	1901.1	1970.9	2041.4	2112.7	2184.8	2257.8	2331.6	2406.4	2482.3	2559.1	1
12	1902.3	1972.0	2042.6	2113.9	2186.0	2259.0	2332.9	2407.7	2483.5	2560.4	
13	1903.4	1973.2	2043.8	2115.1	2187.2	2260.2	2334.1	2409.0	2484.8	2561.7	1:
14	1904.6	1974.4	2044.9	2116.3	2188*4	2261.4	2335.3	2410.2	2486.1	2563.0	1:
15	1905.7	1975.6	2046.1	2117.5	2189.6	2262.7	2336.6	2411.5	2487 4	2564.3]
16	1906·9	1976.8 1977.9	2047·3 2048·5	2118·7 2119·8	2190·8 2192·0	2263 ·9 2265 ·1	2337·8 2339·0	2412·7 2414·0	2488·6 2489·9	2565.6]
17	1908.1	1977.9	2048.5	2119.8	2192.0	2266.3	2339.0	2414.0	2489.9	2566.9 2568.2	
18 19	1910.4	1980.3	2049.7	2122.2	2193.3	2267.6	2341.5	2416.5	2491.2 2492.5	2569.5	
20	1911.5	1981.4	2052.0	2123.4	2195.7	2268.8	2342.8	2417.8	2493.7	2570.7	
21	1912.7	1982.6	2053.2	2124.6	2196.9	2270.0	2344.0	2419.0	2495.0	2572.0	1
22	1913.8	1983.7	2054.4	2125.8	2198.1	$2271 \cdot 2$	$2345 \cdot 3$	2420.3	2496.3	2573.3	
23	1915.0	1984.9	2055.6	2127.0	2199.3	2272.5	2346.5	2421.5	2497.6	2574.6	
24	1916.2	1986.1	2056.8	$2128 \cdot 2$	2200.5	2273.7	2347.8	2422.8	2498.8	2575.9	1
25	1917:3	1987:3	2058.0	2129.4	2201.7	2274.9	2349.0	2424.0	2500.1	2577.2	1
26	1918·5 1919·6	1988·4 1989·6	2959·1 2060·3	2130.6 2131.8	2203·0 2204·2	2276·1 2277·4	2350·2 2351·5	2425·3 2426·5	2501·4 2502·7	2578·5 2579·8	
27 28	1919 0	1990.8	2061.5	2133.0	2205.4	2278.6	2352.7	2427.8	2503.9	2581.1	
28	1921.9	1992.0	2062.7	2134.2	2206.6	2279.8	2354.0	2429.1	2505.2	2582.4	13
30	1923.1	1993.1	2063.9	2135.4	2207.8	2281.0	2355.2	2430.3	2506.5	2583.7	
31	1924.3	1994.3	2065.1	2136.6	2209.0	2282:3	2356.5	2431.6	2507.8	2585.0	;
32	1925.4	1995.5	2066*2	2137.8	2210.2	2283.5	$2357 \cdot 7$	2432.9	2509.0	2586.3	
33	1926.6	1996.6	2067.4	2139.0	2211.4	2284.7	2358.9	2434.1	2510.3	2587.6	
34	1927.8	1997.8	2068.6	2140.2	2212.7	2286.0	2360.2	2435.4	2511.6	2588.9	
35	1928.9	1999.0	2069.8	2141.4	2213.9	2287.2	2361.4	2436.7	2512.9	2590.2	3
36	1930.1	2000.2	2071.0	2142.6	2215.1	2288.4	2362.7	2437.9	2514.2	2591.5	
37	1931.3	2001.3	2072.2	2143.8	2216.3	2289.7	2363 9	2439.2	2515.4	2592.8	
38	1932.4	2002.5	2073*4	2145·0 2146·2	2217·5 2218·7	2290·9 2292·1	2365 ·2 2366 ·4	2440·4 2441·7	2516.7 2518.0	2594·1 2595·4	
39 40	1933·6 1934·7	2003·7 2004·9	2074·6 2075·7	2140.2	2219.9	2293.3	2367.7	2441.7	2519.3	2596.7	
41	1935.9	2006:0	2076.9	2148.6	2221 2	2294.6	2368 9	2444.2	2520.6	2598.0	
42	1937.1	2007.2	2078.1	2149.8	2222.4	2295.8	2370.2	2445.4	2521.8	2599.3	
43	1938.2	2008.4	2079 3	2151.0	2223.6	2297.0	2371.4	2446.8	2523.1	2600.6	1
44	1939.4	2009.6	2080.5	$2152 \cdot 2$	2224.8	2298.3	2372.7	2448.0	2524.4	2601.9	1
45	1940.5	2010.7	2081.7	2153.4	2226.0	2299.5	2373.9	2449.3	2525.7	2603 ·2	1
46	1941.7	2011.9	2082.9	2154.6 2155.8	2227·2 2228·5	2300·7 2302·0	2375·2 2376·4	2450.6 2451.8	2527·0 2528·3	2604.5 2605.8	
47	1942.9	2013.1	2084.1	2155.8	2229.7	2303.2	2377.7	2453.1	2529.5	2605.8	
48	1944.0	2014·3 2015·4	2085·3 2086·5	2158.2	2230.9	2304.4	2378.9	2454.3	2530.8	2608.4	
49 50	1945·2 1946·4	2016.6	2087.7	2159.4	2232.1	2305.7	2380.1	2455.6	2532.1	2609.7	
51	1947.5	2017.8	2088-9	2160.7	2233.3	2306.9	2381.4	2456.9	2533.4	2611.0	1
52	1948.7	2019.0	2090.1	2161.9	2234.6	2308.1	2382.6	2458.1	2534.7	2612.3	1.
53	1949.9	2020.2	2091.3	2163.1	2235.8	2309.4	2383.9	2459.4	2536.0	2613.6	1 :
54	1951.0	2021.3	2092.5	2164.3	2237.0	2310.6	2385.1	2460.7	2537.2	2614.9	
55	1952.2	2022.5	2093.7	2165.5	2238.2	2311.8	2386.4	2461.9	2538.5	2616.2	
56	1953.4	2023.7	2094.9	2166.7	2239.4	2313·1 2314·3	2387.6 2388.9	2463·2 2464·5	2539·8 2541·1	2617.5	
57	1954.5	2024.9	2096.1	2167·9 2169·1	2240·7 2241·9	2314.3	2388.9	2465.8	2541.1	2618·8 2620·1	
58	1955.7	2026·0 2027·2	2097·3 2098·5	2170.3	2243.1	2316.7	2391.4	2467.0	2543.7	2621.4	
59	1956.9	2021 2	2000 0	21100	auto I	2020	2001 1		20 I	TOPI T	Ι.

Min.	Deg. 40	Deg. 41	Deg. 42	Deg. 43	Deg.	Deg. 45	Deg. 46	Deg. 47	Deg. 48	Deg. 49	M
			14	20		10			*0	***	-
0	2622.7	2701.6	2781.7	2863.1	2945.8	3030.0	3115.6	3202.8	3291.6	3382.1	
ĭ	2624.0	2702.9	2783.1	2864.5	2947.2	3031.4	3117.0	3204.2	3293.1	3383.6	
2	2625.3	2704.3	2784.4	2865.8	2948.6	3032.8	3118.5	3205.7	3294.6	3385.2	
3	2626.6	2705.6	2785.8	2867.2	2950.0	3034.2	3119.9	3207.2	3296.1	3386.7	
4	2627.9	2706.9	2787.1	2868.6	2951.4	3035.6	3121.4	3208.6	3297.5	3388.2	
5	2629.2	2708.3	2788.5	2870.0	2952.8	3037.0	3122.8	3210.1	3299.0	3389.7	
6	2630.5	2709.6	2789.8	2871.3	2954.2	3038.4	3124.2	3211.6	3300.5	3391.3	
7	2631.9	2710.9	$2791 \cdot 2$	2872.7	2955.6	3039.8	3125.7	3213.0	3302.0	3392.8	
8	2633.2	2712.2	2792.5	2874.1	2957 0	3041 3	3127.1	3214.5	3303.5	3394.3	
9	2634.5	2713.6	2793.8	2875.4	2958.4	3042.7	3128.6	3216.0	3305.0	3395.9	١.
10	2635.8	2714.9	2795.1	2876.8	2959.8	3044.1	3130.0	3217.4	3306.5	3397.4	
11	2637.1	2716.2	2796.5	2878.2	2961.1	3045.5	3131.5	3218.9	3308.0	3398.9	1
12	2638.4	2717.5	2797.9	2879.5	2962.5	3047.0	3132.9	3220.4	3309.5	3400.4	
13	2639.7	2718.9	2799.3	2880.9	2963.9	3048.4	3134.3	3221.9	3311.0	3402.0	
14 15	2641·0 2642·3	2720·2 2721·5	2800·6 2802·0	2882·3 2883·7	2965·3 2966·7	3049·8 3051·2	3135·8 3137·2	3223·3 3224·8	3312·5 3314·0	3403·5 3405·0	
											1
16 17	2643·6 2644·9	2722·9 2724·2	2803·3 2804·7	2885·0 2886·4	2968·1 2969·5	3052·6 3054·1	3138·7 3140·1	3226·3 3227·7	3315·5 3317·0	3406·6 3408·1	
18	2646.3	2725.5	2806.0	2887.8	2970.9	3055.5	3141.6	3229.2	3318.5	3409.6	Ĺ
	2647.6	2726.9	2807.4	2889.2	2972.3	3056.9	3143.0	3230.7	3320.0	3411.2	
19 20	2648.9	2728.2	2808.8	2890.5	2973.7	3058.3	3144.5	3232.2	3321.5	3412.7	
21	2650.2	2729.5	2810.1	2891.9	2975.1	3059.7	3145.9	3233.6	3323.1	3414.2	
22	2651.5	2730.8	2811.4	2893.3	2976.5	3061.2	3147.4	3235.1	3324.6	3415.8	1
23	2652.8	$2732 \cdot 2$	2812.8	2894.7	2977.9	3062.6	3148.8	3236.6	3326.1	3417.3	
24	2654.1	2733.5	2814.1	2896.0	2979.3	3064.0	3150.3	3238.1	3327.6	3418.8	
25	2655.5	2734.8	2815.5	2897.4	2980.7	3065.4	3151.7	3239.5	3329.1	3420.4	
26	2656.8	2736.2	2816.8	2898.8	2982.1	3066.9	3153.2	3241.0	3330.6	3421.9	1
27	2658 1	2737.5	2818.2	2900.2	2983.5	3068.3	3154.6	3242.5	3332.1	3423.5	1
28	2659.4	2738.8	2819.5	2901.5	2984.9	3069.7	3156.1	3244.0	3333.6	3425.0	
29 30	2660·7 2662·0	2740·2 2741·5	2820·9 2822·3	2902.9 2904.3	2986·3 2987·7	3071·1 3072·6	3157·5 3159·0	3245.5 3246.9	3335·1 3336·6	3426·5 3428·1	
	2663.3	2742.9	2823.6	2905.7	2989.1	3074.0	3160.4	3248.4	3338.1	3429.6	
31 32	2664.6	2744.2	2825.0	2907.1	2990.5	3075.4	3161.9	3249.9	3339.6	3431.2	
	2666.0	2745.5	2826.3	2908.4	2991.9	3076.9	3163.3	3251.4	3341.1	3432.7	
33	2667.3	2746.9	2827.7	2909.8	2993.3	3078.3	3164.8	3252.9	3342.7	3434.2	1
34 35	2668.6	2748.2	2829.0	2911.2	2994.7	3079.7	3166.5	3254.4	3344.2	3435.8	
36	2669.9	2749.5	2830.4	2912.6	2996.1	3081.1	3167.7	3255.8	3345.7	3437.3	1
37	2671.2	2750.9	2831.8	2914.0	2997.5	3082.6	3169.1	3257:3	3347.2	3438.9	
38	2672.5	2752.2	2833.1	2915.3	2998.9	3084.0	3170.6	3258.8	3348.7	3440.4	
39	2673.8	2753.5	2834.5	2916.7	3000.3	3085.4	3172.1	3260.3	3350.2	3442.0	1 3
10	2675.1	2754.9	2835.8	2918.1	3001.8	3086.9	3173.5	3261.8	3351.7	3443.5	
1 1	2676.5	2756.2	2837.2	2919.5	3003.2	3088.3	3175.0	3263.3	3353.2	3445.0	
12	2677.8	2757.6	2838.6	2920.9	3004.6	3089.7	3176.4	3264.7	3354.8	3446.6	1
43	2679.1	2758.9	2839.9	2922.3	3006.0	3091.2	3177.9	3266.2	3356.3	3448.1	4
14 15	2680·5 2681·8	2760·2 2761·5	2841·3 2842·6	2923·6 2925·0	3007·4 3008·8	3092·6 3094·0	3179·3 3180·8	3267·7 3269·2	3357·8 3359·3	3449·7 3451·2	4
16	2683.1	2762.9	2844.0	2926.4	3010-2	3095.5	3182.3	3270.7	3360.9	3452.8	
17	2684.4	2764.3	2845.4	2927.8	3011.6	3096.9	3183.7	3272.2	3362.3	3454.3	1 5
18	2685.7	2765.6	2846.7	2929.2	3013.0	3098.3	3185.2	3273.7	3363.9	3455.9	4
19	2687.1	2766.9	2848.1	2930.6	3014.4	3099.8	3186.6	3275.2	3365.4	3457.4	4
50	2688.4	2768.3	2849.5	2932.0	3015.8	3101.2	3188.1	3276.6	3366.9	3459.0	5
51	2689.7	2769.6	2850.8	2933.3	3017.2	3102.6	3189.6	3278.1	3368.4	3460.5	5
52	2691.0	2771.0	2852.2	2934.7	3018.7	3104.1	3191.0	3279.6	3369.9	3462.1	5
53	2692.3	2772.3	2853.6	2936.1	3020.1	3105.6	3192.5	3281.1	3371.5	3463.6	5
54	2693.7	2773.7	2854.9	2937.5	3021.5	3107.0	3194.0	3282.6	3373.0	3465.2	5
55	2695.0	2775.0	2856.3	2938.9	3022-9	3108.4	3195.4	3284.1	3374.5	3466.7	5
66	2696·3 2697·6	2776·4 2777·7	2857·7 2859·1	2940·3 2941·7	3024·3 3025·7	3109·8 3111·2	3196·9 3198·4	3285·6 3287·1	3376.0	3468.3	5
57	2699.0	2779.0	2859.1	2941 7	3025 7	3112.7	3199.8	3288 6	3377·6 3379·1	3469·8 3471·4	5

MERIDIONAL PARTS.

Min.	Deg. 50	Deg. 51	Deg. 52	Deg. 53	Deg. 54	Deg. 55	Deg. 56	Deg. 57	Deg. 58	Deg. 59	Min
0	3474.5	3568.8	3665.2	0700.0	0001.7	0000 0	1050.0				
1	3476.1	3570.4	3666.9	3763·8 3765·5	3864.7 3866.4	3968·0 3969·7	4073·9 4075·7	4182.6	4294.3	4409.2	0
2	3477.6	3572.0	3668.5	3767.1	3868.1	3971.5	4077.5	4184.5 4186.3	4296·2 4298·1	4411·1 4413·1	1 2
3	3479.2	3573.6	3670.1	3768.8	3869.8	3973.2	4079.3	4188.2	4300.0	4415.0	3
4	3480 7	3575.2	3671.7	3770.4	3871.5	3975.0	4081.1	4190.0	4301.9	4417.0	4
5	3482.3	3576.8	3673.4	3772.1	3873.2	3976.7	4082.9	4191.8	4303.8	4418.9	5
6	3483.9	3578.4	3675.0	3773.8	3874.9	3978.4	4084.7	4193.7	4305.7	4420.8	6
8	3485·4 3487·0	3580·0 3581·6	3676.6	3775.4	3876.6	3980.2	4086.5	4195.5	4307.6	4422.8	7
9	3488.5	3583.2	3678·2 3679·9	3777 ·1 3778·8	3878·3 3880·0	3982·0 3983·7	4088·3 4090·1	4197·4 4199·2	4309.5	4424·7 4426·7	8
10	3490.1	3584.8	3681.5	3780.4	3881.7	3985.2	4091.9	4201.1	4311·4 4313·2	4428.6	10
11	3491.7	3586.4	3683.1	3782.1	3883.4	3987.2	4093.7	4202.9	4315.1	4430.6	11
12	3493.2	3588.0	3684.8	3783.8	3885.1	3989.0	4095.5	4204.7	4317.0	4432.5	12
13	3494.8	3589.5	$3686 \cdot 4$	3785.5	3886.8	3990.7	4097.3	4206.6	4318.9	4434.5	13
14	3496.3	3591.1	3688.0	3787.1	3888.6	3992.5	4099.1	4208.4	4320.8	4436.4	14
15	3497.9	3592.7	3689.7	3788.8	3890.3	3994.2	4100.9	4210.3	4322.7	4438.4	15
16 17	3499·5 3501·0	3594·3 3595·9	3691·3 3692·9	3790.5	3892.0	3996.0	4102.7	4212.1	4324.6 4326.5	4440.4	16
18	3502.6	3597.5	3694.6	3792·1 3793·8	3893·7 3895·4	3997·7 3999·5	4104·5 4106·3	4214·0 4215·8	4328.4	4442·3 4444·3	17
19	3504.2	3599.1	3696.2	3795.5	3897.1	4001.3	4108.1	4217.7	4330.3	4446.2	18 19
20	3505.7	3600.7	3697.8	3797.2	3898.8	4003.0	4109.9	4219.5	4332.2	4448.2	20
21	3507.3	3602:3	3699.5	3798.8	3900.5	4004.8	4111.7	4221.4	4334.2	4450.2	21
22	3508*9	3603.9	3701.1	3800.5	3902.3	4006.5	4113.5	4223.2	4336.1	4452.1	22
23	3510.5	3605.5	3702.7	3802.2	3904.0	4008.3	4115.3	4225.1	4338.0	4454.1	23
24 25	3512·0 3513·6	3607·1 3608·7	3704·4 3706·0	3803·9 3805·5	3905·7 3907·4	4010·0 4011·8	4117·1 4118·9	4227·0 4228·8	4339 · 9 4341 · 8	4456.0 4458.0	24 25
26	3515.1	3610.3	3707.7	3807.2	3909.1	4013.6	4120.7	4230.7	4343.7	4460.0	26
27	3516.7	3611.9	3709.3	3808 9	3910.9	4015 3	4122.5	4232.5	4345.6	4461.9	27
28	3518.3	3613.6	3710.9	3810.6	3912.6	4017.1	4124.3	4234.4	4347.5	4463 9	28
29	3519.8	3615.2	3712.6	3812.3	3914.3	4018.9	4126.1	4236.2	4349.4	4465.9	29
30	3521.4	3616.8	3714.2	3813.9	3916.0	4020.6	4127.9	$4238 \cdot 1$	4351.3	4467.8	30
31	3523.0	3618.4	3715.9	3815.6	3917.7	4022.4	4129.7	4240.0	4353.3	4469.8	31
32	3524.6	3620.0	3717.5	3817.3	3919.5	4024.2	4131.6	4241.8	4355.2	4471'8	32
33	3526.1	3621.6	3719.2	3819.0	3921.2	4025.9	4133.4	4243.7	4357.1	4473.8	33
34 35	3527·7 3529·3	3623·2 3624·8	3720·8 3722·4	3820·7 3822·3	3922·9 3924·6	4027·7 4029·5	4135·2 4137·0	4245.6 4247.4	4359 ° 0 4360 ° 9	4475·7 4477·7	34 35
36	3530.9	3626.4	3724.1	3824.0	3926.4	4031.2	4138.8	4249.3	4362.8	4479.7	36
37	3532.4	3628.0	3725.7	3825.7	3928.1	4033.0	4140.6	4251.2	4364.8	4481.7	37
38	3534.0	3629.6	3727.4	3827 4	3929.8	4034.8	4142.5	4253.0	4366.7	4483.6	38
39	3535.6	3631.3	3729.0	$3829 \cdot 1$	3931.5	4036.6	4144.3	4254.9	4368.6	4485.6	39
40	3537.2	3632.9	3730.7	3830.8	3933.3	4038:3	4146.1	4256.8	4370.5	4487.6	40
41	3538.8	3634.5	3732.3	3832.5	3935.0	4040.1	4147.9	4258.6	4372.5	4489.6	41
42	3540.3	3636.1	3734.0	3834.2	3936.7	4041.9 4043.6	4149·7 4151·6	4260·5 4262·4	4374·4 4376·3	4491.6 4493.5	42 43
43	3541.9 3543.5	3637·7 3639·3	3735·6 3737·3	3835·8 3837·5	3938·5 3940·2	4045 4	4153.4	4264.3	4378.2	4495.5	44
44 45	3545.1	3640.9	3738.9	3839.2	3941.9	4047.2	4155.2	4266.1	4380.2	4497.5	45
46	3546.7	3642.5	3740.6	3840.9	3943.7	4049.0	4157.0	4268.0	4382.1	4499.5	46
47	3548.2	3644.2	3742.2	3842.6	3945.4	4050.8	4158'8	4269.9	4384.0	4501.5	47
48	3549.8	3645.8	3743.9	3844.3	3947.1	4052.5	4160.7	4271.8	4385.9	4503.5	48
49	3551.4	3647.4	3745.6	3846.0	3948.9	4054.3	4162.5	4273.6	4387.9	4505.5	49
50	3553.0	3649.0	3747.2	3847.7	3950.6	4056.1	4164.3	4275.5	4389.8	4507.5	50
51	3554.6	3650.6	3748-9	3849.4	3952 3	4057.9	4166.2	4277.4	4391.7	4509.4	51 52
52	3556.1	36523	3750.5	3851.1	3954.1	4059.7	4168.0 4169.8	4279·3 4281·1	4393·7 4395·6	4511·4 4513·4	52 53
53	3557.7	3653.9	3752.3	3852.8	3955.8	4061·4 4063·2	4169.8	4281.1	4395.6	4515.4	54
54 55	3559·3 3560·9	3655·5 3657·1	3753·8 3755·5	3854·5 3856·2	3957 · 6	4065.2	4173.5	4284.9	4399.5	4517.4	55
56	3562.5	3658.7	3757.2	3857.9	3961.0	4066.8	4175.3	4286.6	4401.4	4519.4	56
57	3564.1	3660.4	3758.8	3859.6	3962.8	4068.6	4177.2	4288.7	4403.4	4521.4	57
58	3565.7	3662.0	3760.5	3861.3	3964.5	4070.4	4179.0	4290.6	4405*3	4523.4	58
	3567.3	3663.6	3762.2	3863.0	3966.3	4072.1	4180.8	4292.5	4407.2	4525.4	59

2 D

Min.	Deg. 60	Deg. 61	Deg. 62	Deg. 63	Deg. 64	Deg. 65	Deg. 66	Deg. 67	Deg. 68	Deg. 69	Min.
0	4527.4	4649.2	4775.0	4905.0	5039.4	5178.8	5323.6	5474.0	5630.9	5794.6	0
1	4529.4	4651.3	4777.1	4907.2	5041.7	5181.2	5326.0	5476.6	5633.5	5797.4	ı
2	4531.4	4653.4	4779.3	4909.4	5044.0	5183.6	5328.5	5479.2	5636.2	5800.2	2
3	4533.4	4655.5	4781.4	4911.6	5046.3	5186.0	5330.9	5481.7	5638.9	5803.0	3
4	4535.4	4657.5	4783.5	4913.8	5048.6	5188.3	5333.4	5484.3	5641.5	5805.8	4
5	4537.4	4659.6	4785.7	4916.0	5050.8	5190.7	5335.9	5486.9	5644.2	5808.6	5
6	4539·4 4541·4	4661.7 4663.7	4787 · 8 4790 · 0	4918·2 4920·4	5053·2 5055·5	5193·1 5195·4	5338·3 5340·8	5489·4 5492·0	5646·9 5649·6	5811·4 5814·2	6
7	4543.4	4665.3	4792.1	4922.6	5057.7	5197.8	5343.3	5494.6	5652.3	5817.0	7
8	4545 4	4667.9	4794.2	4924.8	5060.0	5200.2	5345.7	5497.1	5655.0	5819.8	8
9 10	4547.5	4669.9	4796.4	4927.1	5062.3	5202.6	5348.2	5499.7	5657.6	5822.6	9
11	4549.5	4672.0	4798.5	4929.3	5064.6	5205.0	5350.7	5502.3	5660.3	5825.4	111
12	4551.5	4674.1	4800.7	4931.5	5066.9	$5207 \cdot 3$	5353.2	5504.9	5663.0	5828.2	12
13	4553.5	4676.2	4802.8	4933.7	5069.2	5209.7	5355.6	5507.4	5665.7	5831.0	13
14	4555.5	4678.2	4804.9	4935.9	5071.5	5212.1	5358.1	5510.0	5668.4	5833.9	14
15	4557.5	4680.3	4807.1	4938.1	5073.8	5214.5	5360.6	5512.6	5671.1	5836.7	15
16	4559.5	4682.4	4809.2	4940.4	5076.1	5216.9	5363.1	5515.2	5673.8	5839.5	16
17	4561.5	4684.5	4811.4	4942.6	5078.4	5219.3	5365.6	5517.8	5676.5	5842.3	17
18	4563.6	4686.6	4813.5	4944.8	5080.7	5221.7	5368.1	5520.4	5679.2	5845.2	18
19	4565.6	4688.6	4815.7	4947.0	5083.0	5224.1	5370.5	5523.0	5681.9	5848.0	19
20	4567.6	4690.7	4817.8	4949.3	5085.3	5226.5	5373.0	5525.6	5684.6	5850'8	20
21	4569.6	4692.8	4820.0	4951.5	5087.7	5228.9	5375.5	5528 2	5687.3	5853.7	21
22	4571.6	4694.9	4822.2	4953.7	5090.0	5231.3	5378.0	5530.8	5690.0	5856.5	22
23	4573.7	4697.0	4824.3	4956.0	5092.3	5233.7	5380.5	5533.4	5692.8	5859.3	23
24 25	4575·7 4577·7	4699·1 4701·2	4826·5 4828·6	4958·2 4960·4	5094·6 5096·9	5236·1 5238·5	5383.0 5385.5	5536.0 5538.6	5695·5 5698·2	5862·2 5865·0	24 25
26	4579.7	4703.2	4830.8	4962.7	5099.2	5240.9	5388.0	5541.2	5700.9	5867.9	26
27	4581.8	4705.3	4832.9	4964.9	5101.5	5243.3	5390.5	5543.8	5703.6	5870.7	27
28	4583.8	4707.4	4835.1	4967.1	5103.9	5245.7	5393.0	5546.4	5706.3	5873.5	28
29	4585.8	4709.5	4837.3	4969.4	5106.2	5248.1	5395.5	5549.0	5709.1	5876.4	29
30	4587.8	4711.6	4839.4	4971.6	5108.5	5250.5	5398.0	5551.6	5711.8	5879.3	30
31	4589.9	4713.7	4841.6	4973.9	5110.8	5252.9	5400.5	5554.2	5714.5	5882.1	31
32	4591.9	4715.8	4843.8	4976.1	5113.1	5255.3	5403.0	5556.8	5717.3	5885.0	32
33	4593.9	4717.9	4845.9	4978.3	5115.5	5257.7	5405.6	5559.5	5720.0	5887.8	33
34	4596·0 4598·0	4720·0 4722·1	4848·1 4850·3	4980·6 4982·8	5117·8 5120·1	5260·1 5262·6	5408·1 5410·6	5562·1 5564·7	5722·7 5725·5	5890·7 5893·6	34 35
	4600.1	4724.2	4852.5	4985.1	5122.5	5265.0	5413.1	5567:3	5728.2	5896.4	
36	4602.1	4726.3	4854.6	4987.3	5124.8	5267.4	5415.6	5569.9	5731.0	5899.3	36
37 38	4604.1	4728.4	4856.8	4989.6	5127.1	5269.8	5418.1	5572.6	5733.7	5902.2	37
39	4606.2	4730.5	4859.0	4991.8	5129.5	5272.3	5420.7	5575.2	5736.4	5905.1	38 39
40	4608.2	4732.6	4861.2	4994.1	5131.8	5274.7	5423.2	5577.8	5739.2	5907.9	40
41	4610.3	4734.7	4863.3	4996.3	5134.1	5277.1	5425.7	5580.5	5741.9	5910.8	41
42	4612.3	4736.9	4865.5	4998.6	5136.5	5279.5	5428.2	$5583 \cdot 1$	5744.7	5913.7	42
43	4614.3	4739.0	4867.7	5000.9	5138.8	5282.0	5430.8	5585.7	5747.5	5916.6	43
44	4616.4	4741·1 4743·2	4869.9	5003·1 5005·4	5141.2	5284.4	5433.3	5588*4	5750.2	5919.5	44
45	4618.4		4872.1		5143.5	5286.8	5435.8	5591.0	5753.0	5922.4	45
46	4620.5	4745.3	4874.3	5007.6	5145.9	5289.3	5438.4	5593.7	5755.7	5925.2	46
47	4622·5 4624·6	4747·4 4749·5	4876·4 4878·6	5009·9 5012·2	5148·2 5150·6	5291·7 5294·2	5440·9 5443·5	5596·3 5599·0	5758.5	5928.1	47
48	4626.6	4749.5	4878.6	5012.2	5152.9	5294.2	5446.0	5601.6	5761.3	5931.0	48
49 50	4628.7	4753.8	4883.0	5016.7	5155.3	5299.0	5448.5	5604.3	5764.0 5766.8	5933·9 5936·8	49 50
51	4630.7	4755.9	4885-2	5019.0	5157.6	5301.5	5451.1	5606 9	5769.6	5939.7	
52	4632.8	4758.0	4887.4	5021.2	5160.0	5303.9	5453.6	5609.8	5772.3	5942.6	51 52
53	4634.8	4760.1	4889.6	5023.5	5162.3	5306.3	5456.2	5612.2	5775.1	5945.5	53
54	4636.9	4762.3	4891.8	5025.8	5164.7	5308.8	5458.7	5614.9	5777.9	5948.5	54
55	4639.0	4764.4	4894.0	5028.1	5167.0	5311.3	5461 3	5617.5	5780.7	5951.4	55 .
56	4641 0	4766.5	4896.2	5030.3	5169.4	5313.7	5463.8	5620.2	5783.5	5954.3	56
57	4643.1	4768.6	4898.4	5032.6	5171.8	5316.2	5466.4	5622.9	5786.2	5957.2	57
58	4645.1	4770·8 4772·9	4900.6 4902.8	5034·9 5037·2	5174·1 5176·5	5318·6 5321·1	5468·9 5471·5	5625·5 5628·2	5789.0 5791.8	5960.1	58
59	4647.2									5963.0	59

MERIDIONAL PARTS.

Min.	Deg. 70	Deg. 71	Deg. 72	Deg. 73	Deg. 74	Deg. 75	Deg. 76	Deg. 77	Deg. 78	Deg. 79	Min.
0	5966·0	6145.7	6334·9	6534·5	6745·7	6970·3	7210·1	7467·2	7744·6	8045°7	0
1	5968·9	6148.8	6338·1	6537·9	6749·4	6974·2	7214·2	7471·7	7749·4	8051°0	1
2	5971·8	6151.9	6341·4	6541·3	6753·0	6978·1	7218·3	7476·1	7754·2	8056°2	2
3	5974·7	6155.0	6344·6	6544·7	6756·6	6981·9	7222·5	7480·6	7759·0	8061°5	3
4	5977·7	6158.0	6347·8	6548·2	6760·3	6985·8	7226·6	7485·0	7763·9	8066°8	4
5	5980·6	6161.1	6351·1	6551·6	6763·9	6989·7	7230·8	7489·5	7768·7	8072°0	5
6	5983·5	6164·2	6354·3	6555.0	6767.6	6993.6	7234·9	7494.0	7773·5	8077:3	6
7	5986·5	6167·3	6357·6	6558.5	6771.2	6997.5	7239·1	7498.5	7778·4	8082:6	7
8	5989·4	6170·4	6360·9	6561.9	6774.9	7001.4	7243·3	7502.9	7783·2	8087:9	8
9	5992·4	6173·5	6364·1	6565.4	6778.5	7005.3	7247·5	7507.4	7788·1	8093:2	9
10	5995·3	6176·6	6367·4	6568.8	6782.2	7009.2	7251·6	7511.9	7793·0	8098:5	10
11	5998·3	6179·7	6370.6	6572·3	6785.8	7013·1	7255·8	7516·4	7797·8	8103·8	11
12	6001·2	6182·8	6373.9	6575·7	6789.5	7017·0	7260·0	7520·9	7802·7	8109·2	12
13	6004·2	6185·9	6377.2	6579·2	6793.2	7020·9	7264·2	7525·4	7807·6	8114·5	13
14	6007·1	6189·0	6380.5	6582·6	6796.9	7024·8	7268·4	7530·0	7812·5	8119·8	14
15	6010·1	6192·1	6383.7	6586·1	6800.5	7028·7	7272·6	7534·5	7817·4	8125·2	15
16	6013.0	6195·2	6387.0	6589.5	6804·2	7032·7	7276·8	7539·0	7822·3	8130.6	16
17	6016.0	6198·3	6390.3	6593.0	6807·9	7036·6	7281·0	7543·6	7827·2	8135.9	17
18	6019.0	6201·4	6393.6	6596.5	6811·6	7040·5	7285·2	7548·1	7832·2	8141.3	18
19	6021.9	6204·6	6396.9	6600.0	6815·3	7044·5	7289·4	7552·7	7837·1	8146.7	19
20	6024.9	6207·7	6400.2	6603.4	6819·0	7048·4	7293·7	7557·2	7842·0	8152.1	20
21	6027 · 9	6210 ·8	6403.5	6606.9	6822.7	7052·4	7297 ·9	7561.8	7847.0	8157·5	21
22	6030 · 3	6213 ·9	6406.8	6610.4	6826.4	7056·3	7302 ·1	7566.3	7851.9	8162·9	22
23	6033 · 8	6217 ·1	6410.1	6613.9	6830.1	7060·3	7306 ·4	7570.9	7856.9	8168·3	23
24	6036 · 8	6220 ·2	6413.4	6617.4	6833.8	7064·2	7310 ·6	7575.5	7861.9	8173·7	24
25	6039 · 8	6223 ·3	6416.7	6620.9	6837.6	7068·2	7314 ·9	7580.1	7866.8	8179·2	25
26	6042.7	6226·5	6420·0	6624·4	6841·3	7072·2	7319·1	7584·7	7871.8	8184.6	26
27	6045.7	6229·6	6423·3	6627·9	6845·0	7076·2	7323·4	7589·3	7876.8	8190.1	27
28	6048.7	6232·7	6426·6	6631·4	6848·7	7080·1	7327·7	7593·9	7881.8	8195.5	28
29	6051.7	6235·9	6429·9	6635·0	6852·5	7084·1	7332·0	7598·5	7886.8	8201.0	29
30	6054.7	6239·0	6433·2	6638·5	6856·2	7088·1	7336·2	7603·1	7891.8	8206.5	30
31	6057·7	6242·2	6436.6	6642.0	6860.0	7092·1	7340·4	7607·7	7896·8	8212·0	31
32	6060·7	6245·3	6439.9	6645.5	6863.7	7096·1	7344·8	7612·3	7901·9	8217·5	32
33	6063·7	6248·5	6443.2	6649.1	6867.5	7100·1	7349·1	7617·0	7906·9	8223·0	33
34	6066·7	6251·7	6446.6	6652.6	6871.2	7104·1	7353·4	7621·6	7911·9	8228·5	34
35	6069·7	6254·8	6449.9	6656.1	6875.0	7108·2	735 7· 7	7626·3	7917·0	8234·1	35
36	6072.7	6258·0	6453 ·3	6659·7	6878.7	7112·2	7362·0	7630·9	7922·1	8239.6	36
37	6075.7	6261·2	6456 ·6	6663·2	6882.5	7116·2	7366·4	7635·6	7927·1	8245.1	37
38	6078.8	6264·4	6460 ·0	6666·8	6886.3	7120·2	7370·7	7640·2	7932·2	8250.7	38
39	6081.8	6267·5	6463 ·3	6670·3	6890.1	7124·3	7375·0	7644·9	7937·3	8256.3	39
40	6084.8	6270·7	6466 ·7	6673·9	6893.8	7128·3	7379·4	7649·6	7942·4	8261.8	40
41	6087.8	6273·9	6470.0	6677.4	6897.6	7132·3	7383·7	7654·3	7947·5	8267·4	41
42	6090.8	6277·1	6473.4	6681.0	6901.4	7136·4	7388·0	7659·0	7952·6	8273·0	42
43	6093.9	6280·3	6476.8	6684.6	6905.2	7140·4	7392·4	7663·7	7957·7	8278·6	43
44	6096.9	6283·5	6480.1	6688.1	6909.0	7144·5	7396·8	7668·4	7962·8	8284·2	44
45	6099.9	6286·6	6483.5	6691.7	6912.8	7148·6	7401·1	7673·1	7968·0	8289·9	45
46	6103.0	6289.8	6486.9	6695·3	6916·6	7152.6	7405·5	7677.8	7973·1	8295·5	46
47	6106.0	6293.0	6490.3	6698·9	6920·4	7156.7	7409·9	7682.6	7978·2	8301·1	47
48	6109.1	6296.2	6493.6	6702·4	6924·2	7160.8	7414·2	7687.3	7983·4	8306·8	48
49	6112.1	6299.4	6497.0	6706·0	6928·1	7164.9	7418·6	7692.0	7988·5	8312·4	49
50	6115.1	6302.7	6500.4	6709·6	6931·9	7169.0	7423·0	7696.8	7993·7	8318·1	50
51	6118·2	6305.9	6503·8	6713·2	6935.7	7173·0	7427·4	7701.5	7998.9	8323·8	51
52	6121·2	6309.1	6507·2	6716·8	6939.5	7177·1	7431·8	7706.3	8004.0	8329·4	52
53	6124·3	6312.3	6510·6	6720·4	6943.4	7181·2	7436·2	7711.0	8009.2	8335·1	53
54	6127·4	6315.5	6514·0	6724·0	6947.2	7185·3	7440·6	7715.8	8014.4	8340·8	54
55	6130·4	6318.7	6517·4	6727·6	6951.1	7189·5	7445·0	7720.6	8019.6	8346·6	55
56	6133·5	6322·0	6520·8	6731·2	6954.9	7193·6	7449·5	7725·4	8024.8	8352·3	56
57	6136·5	6325·2	6524·2	6734·9	6958.8	7197·7	7453·9	7730·2	8030.0	8358·0	57
58	6139·6	6328·4	6527·6	6738·5	6962.6	7201·8	7458·3	7735·0	8035.3	8363·7	58
59	6142·7	6331·7	6531·0	6742·1	6966.5	7205·9	7462·8	7739·8	8040.5	8369·5	59

MERIDIONAL PARTS.

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	1
Min.	80	81	82	83	84	85	86	87	88	89	Min
0	8375.3	8739.1	9145.5	9605.9	10137.0	10764.7	11532.6	12522	13917	16300	0
ĭ	8381.0	8745.5			10146.6	10776-2	11547.0	12541			i
2	8386.8	8751.9			10156.2	10787.7	11561.4	12561	13974	16416	2
3	8392.6	8758.3			10165 8	10799:3		12580			3
4	8398.3	8764.8			10175.4	10810.8		12599			4
5	8404.1	8771.2			10185.1	10822.6	11605.0	12619		16599	5
6	8409·9 8415·8	8777·7 8784·1	9188·9 9196·2		10194.8 10204.6	10834·2 10345·9	11619·7 11634·5	12639 12659		16662	8
8	8421.6	8790.6	9203.5		10214.4	10345 9	11649 3	12679		16726 16792	8
9	8427.4	8797.1	9210.8		10224.2	10869.6	11664.1	12699		16858	9
10	8433*3	8803.6	9218.1		10234.0	10881.4	11679.1	12719	14216	16926	10
11	8439.1	8810.1	9225.4		10243.8	10893 3	11694.0	12739		16996	11
12	8445.0	. 8816 6	9232.7	9705.8	10253.7	10905.2	11709 1	12759	14279	17067	12
13	8450.9	8823*2	9240.2		10263.6	10917.2	11724.2	12780	14311	17140	13
14 15	8456·8 8462·6	8829·7 8836·3	9247·6 9255·0		10273·5 10283·5	10929·1 10941·2	11739·4 11754·7	12801 12821	14343 14376	$\frac{17213}{17288}$	14 15
16	8468-6	8842.8	9262.4	9739.7	10293.5	10953:3	11770.0	12842	14409	17366	16
17	8474.5	8849.4	9269.9	9748.3	10303.5	10965.5	11785.4	12863	14442	17444	17
18	8480.4	8856.0	9277:3	9756.8	10313.6	10977.7	11800.9	12885	14475	17526	18
19	8486.3	8862.6	9284.8	9765.4	10323.7	10989-9	11816.4	12900	14509	17609	19
20	8492.3	8869.3	9292.3	9774.0	10333.8	11002-2	11832.0	12927	14543	17695	20
21	8498.2	8875.9	9299.8	9782.7	10344.0	11014.5	11847.6	12949	14578	17780	21
22 23	8504·2 8510·2	8882°6 8889°2	9307·3 9314·8	979 1 ·3 9800·0	10354·1 10364·3	11026·9 11039·3	11863·4 11879·2	12971 12992	14613 14648	$\frac{17870}{17962}$	22 23
23 24	8516.2	8895.9	9322.4	9808*6	10374.5	11051.7	11895.1	13014	14684	18056	24
25	8522.2	8902.6	9330.0	9817:3	10384.8	11064.2	11911.0	13037	14720	18153	25
26	8528 2	8909.3	9337.6	98261	10395.0	11076.8	11927.1	13059	14756	18252	26
27	8534.2	8916.0	9345.2	9834.8	10405.3	11089.3	11943.1	13081	14793	18355	27
28	8540.2	8922.7	9352.8	9843.6	10415.7	11102.0	11959.3	13104	14830	18461	28
29 30	8546·2 8552·3	8929·5 8936·2	9360·4 9368·1	9852·4 9861·3	10426·2 10436·6	11114·6 11127·4	11975.6 11991.9	13126 13149	14868 14906	18570 18682	29 30
31	8558-4	8943.0	9375.8	9870.1	10447.1	11140.1	12008.4	13172	14944	18799	31
32	8564.4	8949.8	9383.5	9879.0	10457.5	11152.9	12024.9	13195	14983	18920	32
33	8570.5	8956 6	9391.2	9887.8	10468.0	11165.8	12041.5	13219	15022	19045	33
34	8576.6	8963.4	9398.9	9896.7	10478.5	11178.7	12058 2	13242	15062	19174	34
35	8582.7	8970.2	9406.6	9905.7	10489.1	11191.7	12074.9	13266	15102	19309	35
36	8588-9	8977:1	9414.4	9914.6	10499.7	11204.7	12091.7	13290	15143	19449	36
37	8595.0 8601.1	8983 ·9 8990 ·8	9422·1 9429·9	9923 ·6 9932 · 7	10510·4 10521·1	11217·7 11230·8	12108.6	13314	15184	19596	37
38	8607.3	8997.7	9437.8	9941.7	10531.8	11244.0	12125·6 12142·7	13338 13362	15226 15268	19749 19908	38 39
39 40	8613.5	9004.6	9445.6	9950.8	10542.6	11257.2	12159.9	13387	15311	20076	40
41	8619.6	9011.5	9453.4	9959.8	10553.3	11270.5	12177.1	13411	15354	20252	41
42	8625.8	9018.4	9461.3	9968.9	10564.1	11283.8	12194.4	13436	15398	20438	42
43	8632.0	9025.4	9469.1	9978.0	10574.9	11297.1	12211.8	13461	15442	20635	43
44 45	8638·2 8644·5	9032.3	9477·0 9484·9	9987·2 9996·3	10585·8 10596·7	11310·5 11324·0	12229·3 12246·9	13486 13512	15487 15533	20843 21065	44
í	8650.7	9046.3	9492.9	10005.5	10607.6	11337.6	12264.6				
46 47	8656.9	9053.3	9500.8	10003-8	10618.6	11351.1	12282.4	13537 13563	15579 15625	21302 21557	46 47
48	8663.2	9060.3	9508.8	10024.0	10629.7	11364.8	12300.5	13589	15673	21832	48
49	8669.5	9067.3	9516.8	10033:3	10640.8	11378.4	12318.1	13615	15721	22132	49
50	8675.7	9074.4	9524.8	10042.6	10651.9	11392.2	12336.3	13641	15770	22459	50
51	8682.0	9081.4	9532.9	10051.9	10663.0	11406.0	12354.4	13668	15819	22821	51
52	8688·3 8694·6	9088·5 9095·6	9540·9 9548·9	10061·3 10070·6	10674·1 10685·3	11419·8 11433·7	12372·7 12391·0	13694	15869	23226	52
53	8701.0	9102.7	9557.0	10070-6	10696.5	11433 7	12391 0	13721 13749	$15920 \\ 15972$	23685 24215	53 54
54 55	8707.3	9109.8	9565.1	10089.4	10707.7	11461.7	12428.0	13776	16025	24215	55
56	8713.6	9116-9	9573.2	10098-9	10719.1	11475.8	12446.5	13804	16078	25609	56
57	8720.0	9124.0	9581.4	10108.4	10730.4	11489.9	12465.3	13831	16132	26598	57
58	8726.4	9131.2	9589.5	10117.9	10741.8	11504.1	12484.2	13860	16187	27992	58
59	8732.7	9138.4	9597.7	10127.4	10753.3	11518.3	12503.1	13888	16243	30375	59

APPARENT DEPRESSION OF THE HORIZON.

H DENOTES THE HEIGHT OF THE EYE IN FEET;

D THE DIP IN MINUTES AND SECONDS.

D.

, ,,

3 52

3 59

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H.

D.

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H.

H.

D.

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3 21 3 29

3 37

3 45

DIP OF THE SEA AT DIFFERENT DISTANCES.

CONTRACTION	of	SEMI-I	OIAMETERS
OF SIL	V A	ND MOO	N.

REDUCTION OF MOON'S EQUATORIAL HORIZONTAL

Inclin.		APPAR	ENT AI	TITUDI	E OF SU	JN AND	MOON.				ALLAX.	
Semid. to Horizon.	5°	8°	10°	12°	14°	20°	32°	50°	Lat.	54'	57′	60′
•	"	"	"	"	"	"	"	")		"	"	"
12 15 18 21 24 27 30 33 36 42 45 48 51 54 66 69 67 72 75 81 81 84 90	1 2 2 4 4 5 6 7 9 10 11 12 14 15 16 17 19 20 21 22 23 24 24 24 25	1 1 1 2 3 3 4 4 5 5 6 6 7 8 8 9 9 10 10 11 11 11 11 11 11 11 11 11 11 11	0111122233444555666777788888	0 0 1 1 1 1 1 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 5 5 6 6	0 0 0 1 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4	000000111111122222222222222222222222222	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 90	0·2 0·5 0·8 1·3 1·3 2·4 3·7 4·5 2·6 0·7 7·4 8·7 9·3 10·2 10·5 10·7 10·8	0°2 0°5 1°3 1°9 2°5 3°2 4°7 5°5 6°3 7°1 7°8 8°5 9°2 9°8 10°7 11°1 11°3 11°4	0°2 0°5 0°9 1°4 2°0 2°6 3°4 4°1 5°8 6°6 7°5 8°2 9°7 10°3 11°9 11°9 12°0

MEAN REFRACTION

OF CELESTIAL OBJECTS FOR TEMPERATURE 50°, AND PRESSURE 29 6 INCHES.

Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refi
• ,	, ,,	. ,	, ,,	.,	, ,,	۰,	, ,,	。,	, ,,	. ,	, ,
0 0	33 0	4 30	10 48	9 0	5 48	17 0	3 04	26 0	1 56	45 30	0 5
5	32 10	35	10 39	5	5 45	10	3 03	10	1 55	46 0	0 5
10	31 22	40	10 29	10	5 42	20	3 01	20	1 55	30	0 5
15 20	30 36 29 50	45 50	10 20 10 11	15	5 39 5 36	30	2 59 2 57	30 40	1 54 1 53	47 0	0 5
25	29 06	55	10 11	20 25	5 34	40 50	2 55	50	1 52	48 0	0 5
30	28 23	5 0	9 54	30	5 31	18 0	2 54	27 0	1 51	30	0 5
35	27 41	5	9 46	35	5 28	10	2 52	15	1 50	49 0	0 4
40	27 00	10	9 38	40	5 25	20	2 51	30	1 49	30	0 4
45	26 20	15	9 30	45	5 23 5 20	30	2 49 2 47	28 0	1 48	50 0	0 4
50 55	25 42 25 05	20 25	9 23 9 15	50 55	5 18	40 50	2 46	28 0 15	1 46	51 0	0 4
1 0	24 29	30	9 08	10 0	5 15	19 0	2 44	30	1 45	30	0 4
5	23 54	35	9 01	10	5 10	10	2 43	45	1 44	52 0	0 4
10	23 20	40	8 54	20	5 05	20	2 41	29 0	1 42	30	0 4
15	22 47	45	8 47	30	5 00	30	2 40	- 20	1 41	53 0	0 4
20	22 15	50	8 41	40	4 56 4 51	40	2 38	30 0	1 40 1 38	54 0	0 4
25 30	21 44 21 15	55 6 0	8 34 8 28	11 50 11 0	4 47	20 0	2 37 2 35	20	1 37	54 0 55 0	0 4
35	20 46	5	8 21	10	4 43	10	2 34	40	1 36	56 0	0 3
40	20 18	10	8 15	20	4 39	20	2 32	31 0	1 35	57 0	0 3
45	19 51	15	8 09	30	4 34	30	2 31	20	1 33	58 0	0.8
50	19 25	20	8 03	40	4 31	40	2 29	40	1 32	59 0	0 3
55	19 00	25	7 57	50	4 27	50	2 28	32 0	1 31	60 0	0.3
2 0	18 35	30	7 51	12 0	4 23 4 20	21 0	2 27 2 26	20	1 30 1 29	61 0 62 0	0 3
5 10	18 11 17 48	35 40	7 45 7 40	10 20	4 16	10 20	2 25	33 0	1 29	63 0	0 3
15	17 26	45	7 35	30	4 13	30	2 24	20	1 26	64 0	0 2
20	17 04	50	7 30	40	4 09	40	2 23	40	1 25	65 0	0 2
25	16 44	55	7 25	50	4 06	50	2 21	34 0	1 24	66 0	0 2
30	16 24	70	7 20	13 0	4 03	22 0	2 20	20	1 23	67 0	0 2
35	16 04	5 10	7 15	10	4 00 3 57	10	2 19 2 18	40	1 22 1 21	68 0	0 2
40 45	15 45 15 27	15	7 11 7 06	20 30	3 54	20 30	2 18 2 17	35 0 20	1 21 1 20	69 0 70 0	0 2
50	15 09	20	7 02	40	3 51	40	2 16	40	1 19	71 0	0 1
55	14 52	25	6 57	50	3 48	50	2 15	36 0	1 18	72 0	0 1
3 0	14 36	30	6 53	14 0	3 45	23 0	2 14	30	1 17	73 0	0 1
5	14 20	35	6 49	10	3 43	10	2 13	37 0	1 16	74 0	0 1
10	14 04	40 45	6 45	20	3 40 3 38	20	2 12 2 11	38 0	1 14 1 13	75 0 76 0	0 1
15 20	13 39 13 34	50	6 41 6 37	30 40	3 35	30 40	2 11 2 10	38 0	1 11	76 0 77 0	0 1
25	13 20	55	6 33	50	3 33	50	2 09	39 0	1 10	78 0	0 1
30	13 06	8 0	6 29	15 0	3 30	24 0	2 08	30	1 09	79 0	0 1
35	12 53	5	6 25	10	3 28	10	2 07	40 0	1 08	80 0	0 10
40	12 40	10	6 22	20	3 26	20	2 06	30	1 07	81 0	0 8
45	12 27	15	6 18	30	3 24 3 21	30	2 05	41 0	1 05	82 0	0 8
50 55	12 15 12 03	20 25	6 15 6 11	40 50	3 19	40 50	2 04 2 03	42 0	1 04 1 03	83 0	0 7
1 0	11 51	30	6 08	16 0	3 17	25 0	2 02	30	1 02	85 0	0 8
5	11 40	35	6 05	10	3 15	10	2 01	43 0	1 01	86 0	0 4
10	11 29	40	6 01	20	3 12	20	2 00	30	1 00	87 0	0 :
15	11 18	45	5 58	30	3 10	30	1 59	44 0	0 59	88 0	0 2
20	11 08	50	5 55	40	3 08 3 06	40	1 58	30	0 58	89 0	0 1
25	10 58	55	5 52	50 1	9 VV	50	1 57	45 0	0 57	90 0	0 (

۱	Ap. Alt.					Н	EIGI	т о	F TE	E T	HERM	оме	TER.				
		20° '+" 2 40 2 32 2 25 2 11 2 5 1 53 1 48 1 43 1 35 1 31 1 35 1 11 1 11 1 6	24° '+" 2 18 2 12 2 5 1 59 1 53 1 48 1 33 1 38 1 38 1 25 1 21 1 18 1 11 1 11 57 58	28° '+" 1 555 1 21 1 11 1 8 1 1 11 1 8 1 55 51 47 44	'+" 1 33 1 28 1 24	36° '+" 111 1 1 1 58 555 53 500 48 44 442 39 37 34 32 29 28	40° '+" 51 48 46 44 42 40 38 36 34 32 31 30 29 26 24 22 21 20	44° '+" 31 29 28 26 25 24 23 22 21 20 18 17 16 14 13 13 13	48° '+" 100 100 99 98 88 88 77 77 66 66 65 55 44 44 4	52° '-" 100 99 98 88 87 77 66 66 65 55 54 44 44	56° '-" 29 27 26 25 24 23 21 20 19 18 18 17 16 15 14 13 12 11	GOME GOME	64° '-" '1 7 7 1 4 1 1 58 55 52 48 45 441 39 37 35 32 80 28	68° '-" 1 25 1 21 1 17 1 13 1 10 1 6 1 3 1 0 57 54 45 25 50 48 44 41 38 35 33 38	72° '-" 1 43 1 38 1 38 1 28 1 24 1 17 1 13 1 1 6 1 4 1 58 54 54 6 43	76° '-" 2 1 1 54 1 49 1 43 1 38 1 38 1 36 1 26 1 21 1 18 1 15 1 11 1 8 1 3 58 54	80° '_" 2 19 2 12 2 5 1 59 1 53 1 48 1 38 1 38 1 29 1 25 1 21 1 11 1 6 1 1 57
	4 0 4 30 5 0 5 0 6 0 6 30 7 8 9 10 111 112 131 14 115 118 119 220 225 335 40 40 45 56 60 60 60 60 60 60 60 60 60 60 60 60 60	58 53 48 44 41 41 41 41 41 41 41 41 41 41 41 41	49 45 41 38 35 33 31 27 24 22 20 18 17 16 15 14 13 12 11 11 11 8 7 6 5 5 5 4 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	41 38 35 30 28 26 23 20 18 17 15 14 13 12 11 10 9 9 7 6 5 4 3 3 3 3 3 3 3 4 4 5 5 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	33 31 26 26 24 22 21 19 16 15 14 13 21 11 10 9 9 8 8 8 7 6 6 5 4 4 3 3 2 2 2 2 11 11 10 10 10 10 10 10 10 10 10 10 10	26 24 22 22 20 19 17 16 15 13 12 11 10 9 8 8 7 7 6 6 6 6 5 5 4 3 3 2 2 2 2 1 1 1 0 0	18 17 16 14 13 12 12 10 9 8 8 7 7 6 6 5 5 5 5 4 4 4 3 3 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	11 10 9 9 8 7 7 6 5 5 5 5 4 4 4 4 3 3 3 3 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	4 3 3 3 3 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0	4 3 3 3 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	10 9 9 8 7 7 7 6 5 5 5 4 4 4 4 3 3 3 3 3 2 2 2 2 1 1 1 1 1 1 1 0 0 0 0 0	17 16 14 13 12 11 10 9 8 7 7 6 6 6 5 5 5 5 4 4 4 4 4 4 4 3 2 2 2 2 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	24 22 20 19 17 15 14 13 11 10 9 9 8 7 7 6 6 6 6 5 5 4 3 8 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 28 26 24 22 20 19 16 14 13 12 11 10 9 9 8 8 7 7 6 5 4 3 2 2 2 2 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	40 37 34 31 29 26 4 23 20 18 16 15 13 12 11 11 11 10 9 9 8 8 6 5 4 4 3 3 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	47 44 40 36 31 29 27 24 21 19 18 16 16 16 16 19 7 6 5 4 8 8 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	58 50 45 40 8 85 50 8 85 50 8 85 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
					- 28·26 28		3·85 29		9•45 2	75 3		0.35 30		+			
-					sun	's P	ARA	$\mathbf{LL}A$	X I	N A	LTIT	UD.	Е.				

App. Alt.	Mean Refract.	Diff. for 10'.	Log. A.	Diff.	М.	N.	App. Alt.	Mean Refract.	Diff.	Log. A.	м.	N.
0 0 0 10 20 30 40 50 10 20 30 40 50	, " 34 54·1 32 49·2 30 52·3 30 52·3 29 3·5 27 22·7 25 49·8 24 24·6 23 6·7 21 55·6 20 50·9 19 51·9 18 58·0	" 124 9 116 9 108 8 100 8 92 9 85 2 77 9 71 1 64 7 59 0 53 9	0.75803 1.03248 1.18228 1.28137 1.35300 1.40764 1.45086 1.48602 1.51530 1.54010 1.56142	9909 7163 5464 4322 3516 2928 2480 2132	1·1059 1·0952 1·0860 1·0780 1·0710 1·0648 1·0593 1·0546 1·0505 1·0465 1·0429 1·0397	1·7344 1·6767 1·6252 1·5789 1·5373 1·4965 1·4653 1·4341 1·4057 1·3797 1·3560 1·3342	° ' ' 10 0 10 20 30 40 11 0 20 30 40 50	, " 5 16·2 5 11·2 5 6·4 5 1·7 4 57·2 4 52·8 4 48·5 4 44·3 4 40·2 4 36·3 4 32·4 4 28·7	" 5.0 4.8 4.7 4.5 4.4 4.3 4.2 4.1 3.9 3.9 3.7	1.74623 1.74670 1.74714 1.74757 1.74759 1.74839 1.74876 1.74912 1.74947 1.74981 1.75013 1.75043	1.0041 1.0040 1.0039 1.0038 1.0037 1.0036 1.0035 1.0034 1.0033 1.0032 1.0031 1.0030	1.0420 1.0409 1.0398 1.0387 1.0367 1.0367 1.0357 1.0347 1.0338 1.0328 1.0318
2 0 10 20 30 40 50 3 0 10 20 30 40 50	18 8·6 17 23·0 16 40·7 16 0·9 15 23·4 14 47·8 14 14·6 13 43·7 13 15·0 12 48·3 12 23·7 12 0·7	49·4 45·6 42·3 39·8 37·5 35·6 33·2 30·9 28·7 26·7 24·6 23·0	1·57995 1·59618 1·61041 1·62278 1·63353 1·64286 1·65114 1·65869 1·66560 1·67204 1·67813 1·68383	1853 1623 1423 1237 1075 933 828 755 691 644 609 570	1 0368 1 0342 1 0318 1 0298 1 0278 1 0261 1 0244 1 0230 1 0216 1 0204 1 0192 1 0182	1·3141 1·2955 1·2783 1·2624 1·2477 1·2341 1·2215 1·2098 1·1989 1·1888 1·1794 1·1706	12 0 10 20 30 40 50 13 0 10 20 30 40 50	4 25·0 4 21·4 4 18·0 4 14·6 4 11·3 4 8·0 4 4·9 4 1·8 3 58·8 3 55·9 3 53·0 3 50·2	3·7 3·6 3·4 3·3 3·3 3·1 3·1 3·0 2·9 2·8	1·75072 1·75101 1·75129 1·75155 1·75180 1·75205 1·75229 1·75252 1·75274 1·75274 1·75316 1·75336	1·0030 1·0029 1·0028 1·0027 1·0027 1·0026 1·0026 1·0026 1·0025 1·0024 1·0024 1·0023	1·0299 1·0290 1·0281 1·0272 1·0264 1·0258 1·0252 1·0240 1·0241 1·0235 1·0230 1·0225
4 0 10 20 30 40 50 10 20 30 40 50	11 38.9 11 18.3 10 58.6 10 39.6 10 21.2 10 3.3 9 46.5 9 30.9 9 16.0 9 1.9 8 48.4 8 35.6	21.8 20.6 19.7 19.0 18.4 17.9 16.8 15.6 14.9 14.1 13.5 12.8	1·68908 1·69384 1·69816 1·70188 1·70505 1·70772 1·71020 1·71279 1·71522 1·71749 1·71961 1·72160	525 476 432 372 317 267 248 259 243 227 212 199	1·0172 1·0163 1·0155 1·0147 1·0140 1·0133 1·0127 1·0121 1·0115 1·0110 1·0105 1·0100	1·1624 1·1549 1·1478 1·1408 1·1342 1·1283 1·1229 1·1178 1·1130 1·1082 1·1036 1·0992	14 0 10 20 30 40 50 15 0 16 17 18 19 20	3 47·4 3 44·7 3 42·1 3 39·5 3 37·0 3 34·5 3 32·1 3 18·6 3 6·6 2 55·8 2 46·1 2 37·3	2·8 2·7 2·6 2·6 2·5 2·4 13·5 12·0 10·8 9·7 8·8	1·75355 1·75373 1·75391 1·75408 1·75425 1·75441 1·75457 1·75615 1·75675 1·75726 1·75771		1.0220 1.0216 1.0212 1.0208 1.0204 1.0200 1.0197 1.0175 1.0156 1.0139 1.0124 1.0111
6 0 10 20 30 40 50 7 0 10 20 30 40 50	8 23·3 8 11·6 8 0·3 7 49·5 7 39·2 7 29·2 7 19·7 7 10·5 7 10·5 6 53·3 6 45·1 6 37·2	12·3 11·7 11·3 10·8 10·3 10·0 9·5 9·2 8·8 8·4 8·2 7·9	1·72346 1·72519 1·72681 1·72832 1·72974 1·73105 1·73229 1·73347 1·73459 1·73564 1·73663 1·73757	186 173 162 151 142 131 124 118 112 105 99 94	1.0096 1.0092 1.0088 1.0084 1.0081 1.0078 1.0075 1.0073 1.0070 1.0067 1.0065	1.0951 1.0914 1.0879 1.0846 1.0815 1.0784 1.0754 1.0725 1.0697 1.0646 1.0622	21 22 23 24 25 26 27 28 29 30 31 32	2 29·3 2 21·9 2 15·2 2 8·9 2 3·2 1 57·8 1 52·8 1 43·8 1 43·8 1 39·7 1 35·8 1 32·1	8·0 7·4 6·7 6·3 5·7 5·4 5·0 4·6 4·4 4·1 3·9 3·7	1.75809 1.75842 1.75841 1.75871 1.75897 1.75939 1.75957 1.75973 1.75978 1.75988 1.76001 1.76012 1.76023		1.0101 1.0092 1.0083 1.0075 1.0068 1.0063 1.0058 1.0054 1.0049 1.0046 1.0043
8 0 10 20 30 40 50 9 0 10 20 80 40 50	6 29.6 6 22.3 6 15.2 6 8.4 6 1.8 5 55.4 5 49.3 5 43.3 5 43.3 5 37.6 5 32.0 5 26.5 5 21.3	7·6 7·3 7·1 6·8 6·6 6·4 6·1 6·0 5·7 5·6 5·5	1-73845 1-73928 1-74007 1-74083 1-74155 1-74223 1-74288 1-74352 1-74412 1-74468 1-74521 1-74573	88 83 79 76 72 68 65 64 60 56 53 52 50	1 0060 1 0058 1 0056 1 0054 1 0052 1 0050 1 0049 1 0047 1 0046 1 0043 1 0043 1 0042	1.0600 1.0579 1.0559 1.0540 1.0523 1.0508 1.0493 1.0479 1.0466 1.0454 1.0442 1.0431	33 34 35 36 37 38 39 40 41 42 43 44	1 28·7 1 25·4 1 22·3 1 19·3 1 16·5 1 13·8 1 11·2 1 8·7 1 6·3 1 4·0 1 1·8 0 59·7	3·4 3·3 3·1 3·0 2·8 2·7 2·6 2·4 2·3 2·2 2·1 2·0	1.76033 1.76042 1.76050 1.76058 1.76065 1.76071 1.76087 1.76087 1.76082 1.76096 1.76100		1.0037 1.0034 1.0031 1.0029 1.0027 1.0026 1.0025 1.0023 1.0021 1.0020 1.0019

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App. Alt.	Mean Ref.		Log. A			depending rometer.			T, depend			
	"	"		Eng.	В.	Log. B.	Fahr.	T.	Log. T.	Fahr.	T.	Log. T.
45 46	57.7	2.0	1.7610				,				-	-
47	53.8	1.9	1.7611	1 27.9		-0.02564	-20	1.156	+0.06279	+38	1.022	+0.0092
48	51.9	1.7	1.7611		0.946	-0.02409 -0.02254	19	1.153	+0.06181	39	1.019	+0.0083
50	48.4	1.8	1.76119			-0.02099	18 17	1.148	+0.06083 +0.05985	40	1.017	+0.00750
51	46.7	1.7 1.6	1.7612:	2 28.3	0.956	-0.01946	16	1.145	+0.05887	42	1.013	+0.00578
52 53	45.1	1.6	1.7612			-0.01793	15 14	1.143	+0.05790	43	1.011	+0.0049
54	41.9	1.6	1.76128			-0.01640 -0.01488	13	1.140	+0.05693 +0.05596	44 45	1.009	+0.00406
55	40.4	1.5 1.5	1.76130	28.7	0.970	-0.01336	12	1.135	+0.05500	46	1.005	+0.00234
56	38.9		1.76135	28.8	0.973	-0.01185	11	1.132	+0.05403	47	1.003	+0.00149
57 58	37.5 36.1	1·4 1·4	1.76134 1.76136	28·9 29·0	0.976 0.980	-0.01035 -0.00885	10	1·130 1·128	+0.05307 +0.05211	48 49	1.000	+0.00064 -0.00021
59	34.7	1.4	1.76138	29.1	0.983	-0.00735	8	1.125	+0.05115	50	0.998	-0.00106
60	33.3	1.4 1.3	1.76139	29.2	0.987	-0.00586	7	1.123	+0.05020	51	0.996	-0.00191
61 62	32.0	1.3	1.76146		0.883	-0.00438	6 5	1·120 1·118	+0.04924 +0.04829	52 53	0.994	-0.00275
63	29.4	1.3	1.76143		0.997	-0.00290 -0.00142	4	1.112	+0.04323	54	0.990	-0.00360 -0.00444
64	28.2	1.3	1.76144	1 29.6	1.000	+0.00005	3	1.113	+0.04640	55	0.988	-0.00528
65 66	26.9 25.7	1.2	1.76145		1.003	+0.00151	$-{1 \atop 1}$	1·110 1·108	+0.04545 +0.04451	56 57	0.986	-0.00612 -0.00698
67	24.5	1.2	1.76146		1.007	+0.00297 +0.00443	ō	1.106	+0.04357	58	0.982	-0.00780
68	23.3	1.2	1.76148		1.014	+0.00588	+ 1	1.103	+0.04263	59	0.980	-0.00863
69	22.2	1.1	1.76148	30.1	1.017	+0.00732	2 3	1·101 1·098	+0.04169 +0.04076	60	0.978 0.977	-0.00946
70 71	21.0	1.1	1.76149 1.76150	30.3	1.020	+0.00876	4	1.098	+0.03982	61 62	0.975	-0.01029 -0.01112
72	18.8	1.1	1.76150	30.4	1.027	+0.01163	5	1.094	+0.03889	63	0.973	-0.01195
73	17.7	1.1	1.76151	30.5	1.031	+0.01306	6 7	1.091	+0.03796 +0.03704	64 65	0.971	-0.01278 -0.01360
74 75	16·6 15·5	1.1	1.76151 1.76152	30.6	1.034	+0.01448 +0.01589	8	1.087	+0.03611	66	0.967	-0.01300
80	10.2	5·3 5·1	1.76154	30.8	1.041	+0.01731	9	1.084	+0.03519	67	0.965	-0.01525
85	5.1	5.1	1.76156	8 30.9	1 044	+0.01871	10 11	1.082 1.080	+0.03427 +0.03335	68 69	0.964 0.962	-0.01607 -0.01689
90	0.0		1.76156	31.0	1.047	+0.02012	12	1.078	+0.03243	70	0.960	-0.01770
							13	1.075	+0.03152	71	0.958	-0.01852
			ependir nometer			ched	14 15	1.073 1.071	+0.03060 +0.02969	72 73	0.956 0.955	-0.01933 -0.02015
		LIICII	nometer	, ram	ciinciu.		16	1.069	+0.02878	74	0.953	-0.02036
Fahr.	l t.	I T	og. t.	Fahr.	t.	Log. t.	17	1.066	+0.02787	75	0.951	-0.02177
ram.			og. 1.	raiii.		Log. v.	18 19	1.064 1.062	+0.02697 +0.02606	76 77	0.949 0.948	-0.02257 -0.02338
		1					20	1.060	+0.02514	78	0.946	-0.02419
-20	1.005	+0	.00203	+40	0.999	-0.00031	21 22	1.057	+0.02426	79	0.944	-0.02499
-15	1.004		00183	+45	0.999	-0.00050 -0.00070	23	1.055	+0.02336 + 0.02247	80 81	0.942	-0.02579 -0.02659
$-10 \\ -5$	1.004		·00164 ·00144	+50 +55	0.998	-0.00089	24	1.051	+0.02157	82	0.939	-0.02738
0	1.003		00125	+60	0.997	-0.00109	25	1.049	+0.02068	83	0.937	-0.02819
+ 5	1.003	+0	00105	+65	0.997	-0.00128 -0.00148	26	1.047	+0.01979	84	0.935	-0.02898
$^{+10}_{+15}$	1.002		.00086 .00066	$+70 \\ +75$	0.994	-0.00148	27	1.044	+0.01890	85	0.934	-0.02898 -0.02978
+20	1.001	+0	00047	+80	0.996	-0.00186	28	1.042	+0.01801	86	0.932	-0.03057
+25	1.001		00027	+85	0.995	-0.00205	29	1.040	+0.01713	87 88	0.930 0.929	-0.03136
$+30 \\ +35$	1.000		00008	$+90 \\ +95$	0.995 0.994	-0.00225 -0.00244	30 31	1.038	$+0.01624 \\ +0.01536$	89	0.929	-0.03216 -0.03294
100	1 000	"		100		2 00=12	32	1.034	+0.01448	90	0.925	-0.03373
							33	1.032	+0.01360	91	0.924	-0.03452
Lo	og. Re	fracti	ion = 1c	g. cota	ng. Ap	p. Alt.	34 35	1.030	+0.01273 + 0.01185	92 93	0.922	-0.03530 -0.03609
+1	log. A	+ M	(log. B	+ log	t) + N	log. T.	36	1.026	+0.01098	94	0.919	-0.03687
	-					\times t \times T.	+37	1.024	+0.01011	+95	0.917	-0·03765
								- 1				

CORRECTION OF MOON'S MERIDIAN PASSAGE.

DAILY VARIATION OF MOON'S MERIDIAN PASSAGE.

	,									
Long.	39 m.	42 m.	45 m.	48 m.	51 m.	54 m.	57 m.	60 m.	63 m.	66 m.
•	m.	m.	m,	m.	m,	m.	ın.	m.	m.	m.
10	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.7	1.8
20	2.2	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7
30	3.3	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2	5.2
40	4.3	4.7	5.0	5.3	5.7	6.0	6.3	6.7	7.0	7.3
50	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7	9.2
60	6.5	7.0	7.5	8.0	8.2	9.0	9.5	10.0	10.5	11.0
70	7.6	8.2	8.7	9.3	9.9	10.2	11.1	11.7	12.2	12.8
80	8.7	9.3	10.0	10.7	11.3	12.0	12.7	13.3	14.0	14.7
90	9.8	10.5	11.2	12.0	12.7	13.2	14.2	15.0	15.7	16.5
100	10.8	11.7	12.5	13.3	14.2	15.0	15.8	16.7	17.5	18.3
110	11.9	12.8	13.7	14.7	15.6	16.2	17.4	18.3	19.2	20.2
120	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
130	14.1	15.2	16.2	17:3	18.4	19.5	20.6	21.7	22.7	23.8
140	15.2	16.3	17.5	18.7	19.8	21.0	22.2	23.3	24.5	25.7
150	16.3	17.5	18.7	20.0	21.2	22.5	23.7	25.0	26.2	27.5
160	17:3	18.7	20.0	21.3	22.7	24.0	25.3	26.7	28.0	29.3
170	18·4 19·5	19.8	21·2 22·5	22.7	24.1	25.5	26.9	28.3	29.7	31.2
180	19.0	21.0	22 5	24.0	25.2	27.0	28.5	30.0	31.5	33.0
							1			

AUGMENTATION OF MOON'S SEMI-DIAMETER.

MOON'S HORIZONTAL DIAMETER BY NAUTICAL ALMANAC.

Moon's Alt.	14′ 40″	15′ 0″	15′ 20″	15′ 40″	16′ 0′′	16′ 20″	16′ 40″
•	"	,,	,,	"		,,	,,
0	0	0	0	0	0	0	0
3	-8	·9	1.7	1.0	1.0	1.1	1.1
3 6 9	1.5 2.3	1.6	1.7	1.8	1.8	1.9	2.0
9	2.3	2.4	2.5	2.6	2.7	2.8	2.9
12	3.0	3.1	3.2	3.4	3.6	3.7	3.8
15	3.7	3.8	4.0	4.2	4.4	4.6	4.7
18	4.4	4.6	4.8	5.0	5.2	5.4	5.6
18 21	5.1	5.3	5.5	5.7	5.9	6.1	6.3
24	5.8	6.1	6.2	6.3	6.5	6.7	6.9
27	6.5	6.7	6.8	7.0	7.2	7.3	7.5
30	7.1	7.3	7.6	7·8	8.1	8.3	8.5
33	7.7	8.0	8.3	8.6	8.9	9.3	9.6
36	8.2	8.6	9.0	9.4	9.8	10.2	10.5
39	8.8	9.2	9.6	10.1	10.5	10.9	11.3
42	9.3	9.8	10.2	10.8	11.1	11.6	12.1
45	9.9	10.4	10.8	11.3	11.8	12.3	12.8
48	10.3	10.8	11.4	11.8	12.4	12.9	13.4
51	10.8	11.3	11.9	12.3	12.9	13.5	14.0
54	11.3	11.8	12.4	12.9	13.5	14.0	14.6
57	11.8	12.3	12.9	13.4	14.0	14.5	15.1
60	12.3	12.8	13.4	13.9	14.5	15.0	15.6
63	12.6	13.1	13.7	14.2	14.8	15.4	16.0
66	12.8	13.4	14.0	14.6	15.2	15.8	16.4
69	13.0	13.6	14.2	14.9	15.5	16.1	16.7
72	13.2	13.9	14.6	15.2	15.8	16.4	17.2
75	13.4	14.1	14.8	15.4	16.1	16.7	17.4
78	13.6	14.3	15.0	15.6	16.3	16.9	17.6
81	13.8	14.4	15.1	15.8	16.4	17.1	17.8
84	13.9	14.5	15.2	15.9	16.6	17.2	17.9
84 87	14.0	14.6	15.3	16.0	16.7	17.3	18.0
90	14.0	14.7	15.4	16.1	16.7	17.4	18.1

		TO RE	DUCE M	EAN TO	O SIDE	REAL TI	ME		
		TO RE.	DUCE M	EAN I	OBIDEL	IEAD II	M.E.		
SOLAR	Add	SOLAR	Add	SOLAR	Add	SOLAR	Add	SOLAR	Add
HOURS.	Min. Sec.	MIN.	Sec.	MIN.	Sec.	SEC.	Sec.	SEC.	Sec.
1	0 9.86	1	0.16	31	5.09	1	0.00	31	0.08
2	0 19.71	2	0.33	32	5.26	2	0.01	32	0.09
3	0 29.57	3	0.49	33	5.42	3	0.01	33	0.09
3 4 5 6 7 8	0 39.43	4	0.66	34	5.59	4	0.01	34	0.09
5	0 49.28	5	0.82	35	5.75	5	0.01	35	0.10
6	0 59.14	5 6 7 8	0.99	36	5.92	6	0.02	36	0.10
7	1 9.00	7	1.15	37	6.08	7	0.02	37	0.10
8	1 18.85	8	1.31	38	6.24	8	0.02	38	0.10
9	1 28.71	9	1.48	39	6.41	9	0.03	39	0.11
10	1 38.57	10	1.64	40	6.57	10	0.03	40	¹ 0·11
11	1 48.42	11	1.81	41	6.74	11	0.03	41	0.11
12	1 58.28	12	1.97	42	6.90	12	0.03	42	0.12
13	2 8.13	13	2.14	43	7.07	13	0.04	43	0.12
14	2 17.99	14	2:30	44	7.23	14	0.04	44	0.12
15	2 27.85	15	2.46	45	7.39	15	0.04	45	0.12
16	2 37.70	16	2.63	46	7.56	16	0.04	46	0.13
17	2 47.56	17	2.79	47	7.72	17	0.05	47	0.13
18	2 57.42	18	2.96	48	7.89	18	0.05	48	0.13
19	3 7.27	19	3.12	49	8.05	19	0.05	49	0.13
20	3 17.13	20	3.59	50	8.22	20	0.06	50	0.14
21	3 26.99	21	3.45	51	8:38	21	0.06	51	0.14
22	3 36.84	22	3.61	52	8.54	22	0.06	52 53	0·14 0·15
23	3 46.70	23	3.78	53 54	8.71	23 24	0.06 0.07	54	0.12
24	3 56 56	24 25	3 94		8.87 9.04	25	0.07	55	0.12
25	4 6.40		4.11	55	9.20	26	0.07	56	0.12
26	4 16.26	26 27	4.27	56 57	9.37	26	0.08	57	0.16
27	4 26·13 4 36·00	28	4·44 4·60	58	9.53	28	0.08	58	0.16
28		28	4.76	58 59	9.69	28	0.08	59	0.16
29 30	4 45 86 4 55 71	30	4.93	60	9.86	30	0.08	60	0.16
30	4 00 11	30	* 93	00	8 50	30	1 000		1 010

TO R	EDUCE	SIDEREAL	то	MEAN	TIME.
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SID. HOURS.	Subtract Min. Sec.	SID. MIN.	Subtract Sec.	SID. MIN.	Subtract Sec.	SID. SEC.	Subtract Sec.	SID. SEC.	Subtract Sec.
1	0 9.83	1	0.16	31	5.08	1	0.00	31	0.08
1 0	0 19.66	2	0.33	32	5.24	2	0.01	32	0.09
$\frac{1}{2}$	0 29.49	3	0.49	33	5.41	3	0.01	33	0.09
1 4	0 39.32		0.66	34	5.57	4 5	0.01	34	0.09
4 5 6 7 8 9	0 49.15	4 5	0.82	35	5.73	5	0.01	35	0.10
6	0 58.98	6	0.98	36	5.90	6	0.02	36	0.10
7	1 8.81	7	1.15	37	6.06	7	0.02	37	0.10
8	1 18.64	8	1.31	38	6.23	8	0.02	38	0.10
9	1 28.47	9	1.47	39	6.39	9	0.02	39	0.11
10	1 38.30	10	1.64	40	6.55	10	0.03	40	0.11
lii	1 48.12	11	1.80	41	6.72	11	0.03	41	0.11
12	1 57.95	12	1.97	42	6.88	12	0.03	42	0.11
13	2 7.78	13	2.13	43	7.04	13	0.04	43	0.12
14	2 17.61	14	2.29	44	7.21	14	0.04	44	0.12
15	2 27.44	15	2.46	45	7.37	15	0.04	45	0.12
16	2 37.27	16	2.62	46	7.54	16	0.04	46	0.13
17	2 47.10	17	2.79	47	7.70	17	0.02	47	0.13
18	2 56.93	18	2.95	48	7.86	18	0.02	48	0.13
19	3 6.76	19	3.11	49	8.03	19	0.02	49	0.13
20	3 16.59	20	3.28	50	8.19	20	0.06	50	0.14
21	3 26.42	21	3.44	51	8.36	21	0.06	51	0.14
22	3 36.25	22	3.60	52	8.52	22	0.06	52	0.14
23	3 46.08	23	3.77	53	8.68	23	0.06	53	0.14
24	3 55.91	24	3.93	54	8.85	24	0.07	54	0.12
25	4 5.74	25	4.10	55	9.01	25	0.07	55	0.12
26	4 15.57	26	4.26	56	9.17	26	0.07	56	0.12
27	4 25.41	27	4.42	57	9.34	27	0.07	57	0.16
28	4 35.24	28	4.59	58	9.50	28	0.08	58	0.16
29	4 45.07	29	4.75	59	9.67	29	0.08	59	0.16
30	4 54.90	80	4.92	60	9.83	30	0.08	60	0.16

FOR REDUCING DEGREES TO TIME.

FOR REDUCING TIME TO DEGREES.

•	Н. М.	٠	н. м.		,,		<u>"</u>	М.	. ,	M.	. ,
,	M. S.	,	M. S.	Degrees.	Hours. Minutes.	Hours.	Degrees.	s.	' "	s.	' "
"	S. T.	"	S. T.	Ď	Mi	Ħ	Ä	T.	" "	T.	" "
1 2 3 4 5	0 4 0 8 0 12 0 16 0 20	51 52 53 54 55	3 24 3 28 3 32 3 36 3 40	101 102 103 104 105	6 44 6 48 6 52 6 56 7 0	$1 \\ 1\frac{1}{2} \\ 2 \\ 2\frac{1}{2} \\ 3$	15 22½ 30 37½ 45	1 2 3 4 5	0 15 0 30 0 45 1 0 1 15	51 52 53 54 55	12 41 13 0 13 11 13 30 13 45
6 7 8 9 10	0 24 0 28 0 32 0 36 0 40	56 57 58 59 60	3 44 - 3 48 3 52 3 56 4 0	106 107 108 109 110	7 4 7 8 7 12 7 16 7 20	3½ 4 4½ 5 5½	52½ 60 67½ 75 82½	6 7 8 9 10	1 30 1 45 2 0 2 15 2 30	56 57 58 59 60	14 0 14 14 14 30 14 44 15 0
11 12 13 14 15	0 44 0 48 0 52 0 56 1 0	61 62 63 64 65	4 4 4 8 4 12 4 16 4 20	115 120 125 130 135	7 40 8 0 8 20 8 40 9 0	6 6½ 7 7½ 8	90 97½ 105 112½ 120	11 12 13 14 15	2 45 3 0 3 15 3 30 3 45	61 62 63 64 65	15 16 15 49 16 0 16 18
16 17 18 19 20	1 4 1 8 1 12 1 16 1 20	66 67 68 69 70	4 24 4 28 4 32 4 36 4 40	140 145 150 155 160	9 20 9 40 10 0 10 20 10 40	8½ 9 9½ 10 10½	$\begin{array}{c} 127\frac{1}{2} \\ 135 \\ 142\frac{1}{2} \\ 150 \\ 157\frac{1}{2} \end{array}$	16 17 18 19 20	4 0 4 15 4 30 4 45 5 0	66 67 68 69 70	16 30 16 49 17 0 17 10 17 30
21 22 23 24 25	1 24 1 28 1 32 1 36 1 40	71 72 73 74 75	4 44 4 48 4 52 4 56 5 0	165 170 175 180 185	11 0 11 20 11 40 12 0 12 20	11 11½ 12 12½ 12½ 13	165 172½ 180 187½ 195	21 22 23 24 25	5 15 5 30 5 45 6 0 6 15	71 72 73 74 75	17 45 18 6 18 15 18 30 18 45
26 27 28 29 30	1 44 1 48 1 52 1 56 2 0	76 77 78 79 80	5 4 5 8 5 12 5 16 5 20	190 195 200 205 210	12 40 13 0 13 20 13 40 14 0	13½ 14 14½ 15 15½	$\begin{array}{c} 202\frac{1}{2} \\ 210 \\ 217\frac{1}{2} \\ 225 \\ 232\frac{1}{2} \end{array}$	26 27 28 29 30	6 30 6 45 7 0 7 15 7 30	76 77 78 79 80	19 10 19 10 19 30 19 40 20 0
31 32 33 34 35	2 4 2 8 2 12 2 16 2 20	81 82 83 84 85	5 24 5 28 5 32 5 36 5 40	215 220 225 230 235	14 20 14 40 15 0 15 20 15 40	16 16½ 17 17½ 18	240 247½ 255 262½ 270	31 32 33 34 35	7 45 8 0 8 15 8 30 8 45	81 82 83 84 85	20 18 20 30 20 48 21 0 21 18
36 37 38 39 40	2 24 2 28 2 32 2 36 2 40	86 87 88 89 90	5 44 5 48 5 52 5 56 6 0	240 245 250 255 260	16 0 16 20 16 40 17 0 17 20	$ \begin{array}{c} 18\frac{1}{2} \\ 19 \\ 19\frac{1}{2} \\ 20 \\ 20\frac{1}{2} \end{array} $	277½ 285 292½ 300 307½	36 37 38 39 40	9 0 9 15 9 30 9 45 10 0	86 87 88 89 90	21 30 21 45 22 0 22 16 22 30
41 42 43 44 45	2 44 2 48 2 52 2 56 3 0	91 92 93 94 95	6 4 6 8 6 12 6 16 6 20	270 280 290 300 310	18 0 18 40 19 20 20 0 20 40	21 21½ 22 22½ 22½ 23	315 822½ 330 337½ 345	41 42 43 44 45	10 15 10 30 10 45 11 0 11 15	91 92 93 94 95	22 45 23 6 23 15 23 36 23 45
46 47 48 49 50	3 4 3 8 3 12 3 16 3 20	96 97 98 99 100	6 24 6 28 6 32 6 36 6 40	320 330 340 350 360	21 20 22 0 22 40 23 20 24 0	23½ 24	352½ 360	46 47 48 49 50	11 30 11 45 12 0 12 15 12 30	96 97 98 99 100	24 1 24 1 24 3 24 4 25

MEAN MOTION OF SUN FOR PERIODS OF MEAN TIME.

Mean Time.	Mean Motion,	Mean Time.	Mean Motion.	Mean Time.	Mean Motion.
Hours.	, "	Min.	, ,	Sec.	"
1	2 27.847	1	0 2.464	1	0.041
3	4 55.694	2	0 4.928	2	0.082
3	7 23.541	3	0 7.392	3	0.123
4	9 51.388	4	0 9.856	4	0.164
5 6	12 19·235 14 47·081	5 6	0 12·321 0 14·785	5 6	0·205 0·246
7	17 14.928	7	0 17.249	7	0.287
7 8	19 42.775	8	0 19.713	8	0.328
9	22 10.622	9	0 22:177	9	0.369
10	24 38.469	10	0 24.641	10 11	0·411 0·452
11 12	27 6·316 29 34·163	11 12	0 27·105 0 29·569	12	0.493
13	32 2.010	13	0 32.033	13	0.534
14	34 29.857	14	0 34.497	14	0.575
15	36 57:703	15	0 36.962	15	0.616
16	39 25.550	16	0 39.426	16	0.657
17 18	41 53·397 44 21·244	17	0 41.890	17	0.698
19	46 49.091	18 19	0 44·354 0 46·818	18 19	0·739 0·780
20	49 16-938	20	0 46.818 0 49.282	20	0.821
21	51 44.784	21	0 51.746	21	0.862
22 23	54 12.631 56 40.478	22	0 54.210	22	0.803
24	59 8:325	23	0 56.674	23	0.944
ax.	00 0 020	24 25	0 59·138 1 1·603	24 25	0.985 1.027
		26	1 4.067	26	1.068
	1	27	1 6.531	27	1.109
Days.	0 / //	28	1 8.995	28	1.150
1	0 59 8.32	29	1 11:459	29 30	1.191
2 3	1 58 16 65 2 57 24 98	30	1 13.923		1.232
4	2 57 24·98 3 56 33·30	31	1 16:387	31	1·273 1·314
4 5	4 55 41.62	32 33	1 18·851 1 21·315	32 33	1.314
6	5 54 49.95	34	1 23.779	34	1.396
7 8	6 53 58·28 7 53 6·60	35	1 26.244	35	1.437
9	8 52 14 92	36	1 28.708	36	1.478
10	9 51 23.25	37 38	1 31·172 1 33·636	37 38	1.519 1.560
11	10 50 31.58	38	1 36.100	39	1.601
12	11 49 39:90	40	1 38.565	40	1.643
13 14	12 48 48·23 13 47 56·55	41	1 41.029	41	1 684
15	14 47 4.87	42	1 43:493	42 43	1·725 1·766
16	15 46 13.20	43 44	1 45.957 1 48.421	44	1.807
17	16 45 21.53	45	1 50.885	45	1.848
18	17 44 29·85 18 43 38·17	46	1 53.349	46	1.889
19 20	18 43 38·17 19 42 46·50	47	1 55.813	47	1.930
21	20 41 54.83	48	1 58.277	48	1.971
22	21 41 3.15	49	1 58·277 2 0·741 2 3·206	49	2.012
23	22 40 11 48	50	2 3·206 2 5·670	50 51	2·053 2·094
24 25	23 39 19·80 24 38 28·12	51 52	2 8.134	52	2.135
26	25 37 36.45	53	2 10.598	53	2.176
27	26 36 44.78	54	2 13.062	54	2.217
28	27 35 53.10	55	2 15·526 2 17·990	55 56	2·259 2·300
29	28 35 1.42	56	2 17.990 2 20.454	56	2.341
30 31	29 34 9·75 30 33 18·08	57 58	2 22.918	58	2.382
31	20 22 10 00	59	2 25.382	59	2.423
	1	60	2 27.847	60	2.464

DISTANCE OF THE VISIBLE HORIZON.

The Distances are in Nautical Miles, and the Height of the Eye in Feet.

in Sea	in		Height	Distance	Height	Distance	Height	Distance
3513	111	in Sea	in	in Sea	in	in Sea	in	in Sea
Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.
1.06	61	8.31	142	12.67	720	28.53	2550	53:70
1.50	62	8.37	144	12.76	740	28.93	2600	54.22
1.84					760			54.74
					800			55·25 55·76
								56.27
2.81	67	8.70	160	13.45	840	30.82	2850	56.77
3.01	68	8.77	165	13.66	860	31 19	2900	57.27
								57.76
	70							58·25 58·73
	72							59.21
3.83	73	9.09	190	14.66	960	32.95		59.68
3.98	74	9.15	195	14.85	980	33.29	3200	60.15
							3250	60.62
	70							61.09 61.55
4.21	78			16.13	1060		3400	62.01
4.53	79	9.45	240	16.47	1080	34.95	3450	62.46
		9.51			1100	35.27	3500	62.91
								63.36
								63.80 64.24
								64.68
5.32	85	9.80	300	18.42	1200	36.84		65.12
5.42	86	9.86	310	18.72	1220	37.14	3800	65.22
								65.98
							3900	66·41 66·83
							4000	67.26
5.92	91	10.14	360	20.18	1320	38.64	4100	68.09
6.01	92	10.20		20.46	1340		4200	68:92
				20.73				69.73
				21.00				70·54 71·34
			410					72.12
6.47	97	10:47	420	21.79	1440	40.35		72.91
								73.68
	99							74.44
								75·20 75·95
6.89	104	10.84	470	23.05	1600	42.54		76.69
6.97	106	10.95	480	23.30	1650	43.20	5300	77.42
	108			23.54	1700			78.15
7.13		11.15				44.49		78·87 79·58
			520					80.29
			530				5800	80.99
7.44	118	11.55	540	24.71	1950	46.96	5900	81.69
							6000	82.38
7.74	126	11.94		25.61		49:31		utical or
7.81	128	12.03	590 .	25.83	2200	49.88	Sea	Miles.
7.89	130	12.12		26.05	2250	50.44	Height.	Dist.
								_
								82·92 117·28
				27.73				143.64
8.24	140	12.58	700	28.14	2500	53.17	4	166.89
	1.50 1.813 1.80 1.813 1.80 1.813 1.80 1.813 1.80 1.813 1.80 1.813 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.80	1-50 62 1-34 63 2-138 65 2-2-60 66 2-81 67 3-19 69 3-3-6 70 3-3-6 70 3-3-6 70 3-3-6 70 3-3-6 70 3-3-6 70 3-3-6 70 3-3-6 70 3-3-8 71 4-2-7-5 76 4-2-8 76 4-3-8 77 4-51 78 4-51 78 4-51 78 4-51 78 4-51 78 4-51 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 80 4-76 90 6-76 90 6-76 90 6-76 90 6-76 90 6-76 90 6-76 90 6-76 90 6-76 10	1-50 62 8-37 1-84 63 8-44 2-38 65 8-58 2-60 66 8-64 2-81 67 8-70 3-19 69 8-83 3-63 70 8-89 3-53 71 8-96 3-83 72 9-02 3-83 73 9-09 3-83 73 9-09 3-83 73 9-09 3-83 73 9-09 3-83 73 9-09 3-83 73 9-09 3-83 73 9-09 3-84 72 9-21 4-12 75 9-21 4-12 75 9-21 4-12 75 9-21 4-13 78 9-39 4-14 18 9-39 4-15 80 9-51 4-10 83 9-69 5-10 83	1.50 62 8-87 1.44 1.84 63 8-44 1.46 2.13 64 8-51 1.48 2.38 65 8-58 1.50 2.60 66 8-64 1.55 2.81 67 8-70 1.60 3.19 69 8-83 1.70 3.93 70 8-89 1.75 3.53 71 8-96 1.80 3.68 72 9-02 1.85 3.83 73 9-90 1.90 3.98 74 9-15 1.95 4-12 75 9-21 200 4-25 76 9-27 210 4-25 76 9-27 210 4-38 77 9-33 220 4-76 80 9-51 250 4-77 9-33 20 4-78 81 9-77 260 4-78 81 9-75	1.50 62 8.87 1.44 12.76 1.84 63 8.44 146 12.85 2.13 64 8.51 148 12.94 2.38 65 8.58 150 13.03 2.81 67 8.70 160 13.45 3.01 68 8.77 165 13.66 3.19 69 8.83 1.70 13.87 3.63 70 8.89 1.75 14.47 3.63 72 9.02 185 14.46 3.83 73 9.90 190 14.66 3.83 73 9.90 190 14.66 3.83 73 9.90 190 14.66 4.12 75 9.21 200 15.04 4.12 75 9.21 200 15.04 4.25 76 9.27 210 15.44 4.25 76 9.27 210 15.04	1:50 62 8:37 144 12:76 740 1:84 63 8:44 146 12:95 760 2:13 64 8:51 148 12:94 780 2:38 65 8:58 150 13:03 800 2:60 66 8:64 155 13:24 820 2:81 67 8:70 160 13:45 840 3:01 68 8:77 165 13:66 860 3:19 69 8:83 170 13:87 880 3:68 72 9:02 185 14:40 900 3:68 72 9:02 185 14:46 940 3:83 73 9:09 12:46 940 4:12 75 9:21 200 15:04 100 4:12 75 9:21 200 15:04 100 4:25 76 9:27 210 15:41 100	1:50 62 8:37 144 12:76 740 28:93 1:84 63 8:44 146 12:85 760 29:32 2:38 65 8:58 150 13:03 800 30:08 2:60 66 8:64 155 13:24 820 30:45 2:81 67 8:70 160 13:45 840 30:82 3:01 68 8:77 165 13:66 860 31:19 3:19 69 8:83 170 13:87 880 13:51 3:68 72 9:02 185 14:07 900 31:90 3:68 72 9:02 185 14:46 940 32:05 3:83 73 9:09 18:5 14:46 940 32:05 3:98 74 9:15 195 14:85 980 32:95 3:98 74 9:15 195 14:85 980 32:95	1:50 62 8:37 144 12:76 740 28:93 2600 1:84 63 8:44 146 12:75 760 29:32 2650 2:38 65 8:58 150 13:03 800 30:08 27:50 2:38 65 8:58 150 13:03 800 30:08 27:50 2:81 67 8:70 160 13:45 840 30:82 2850 3:01 68 8:77 165 13:66 860 31:19 2900 3:19 69 8:83 170 13:87 880 31:55 29:50 3:36 70 8:89 175 14:07 900 31:50 3000 3:36 70 8:89 175 14:07 900 31:50 3000 3:53 71 8:96 180 14:27 920 32:25 3050 3:63 72 9:02 185 14:46 940 32:95 3150 3:98 74 9:15 195 14:65 980 32:95 3150 3:98 74 9:15 195 14:65 980 32:95 3150 4:25 76 9:27 210 15:41 10:20 33:96 33:00 4:25 76 9:27 210 15:41 10:20 33:96 33:00 4:51 78 9:33 220 15:77 1040 34:29 33:50 4:51 78 9:35 230 16:13 10:00 34:62 34:00 4:63 79 9:45 240 16:47 10:80 34:62 34:00 4:76 80 9:51 255 16:81 11:00 35:27 35:00 4:77 81 9:73 20:00 15:04 10:00 33:63 32:00 4:78 80 9:51 255 16:81 11:00 35:27 35:00 5:10 83 9:69 280 17:79 11:60 36:23 36:50 5:22 85 9:80 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 37:50 5:52 85 9:90 300 18:42 12:00 36:34 40:00 6:01 92 10:02 370 20:46 13:40 38:93 38:00 6:47 97 10:14 360 20:18 13:20 38:64 41:00 6:61 99 10:14 360 20:18 13:20 38:64 41:00 6:79 91 10:14 360 20:18 13:20 38:64 41:00 6:79 91 10:14 360 20:18 13:20 38:64 41:00 6:70 92 10:09 350 19:90 13:00 38:34 40:00 6:71 92 10:04 34:00 22:81 13:50 44:97 7:74 11:12 11:25 510 24:48 19:00 47:56 600 6:75 10:8 11:05 490 22:81 15:50 44:97 7:74 11:11 11:25 500 24:48 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:44 19:00 46:35 590 7:75 11:11 11:25 500 36:45 15:50 44:49 7:76 11:24 11:25 500 26:45 15:50 44:49 7:76 11:24 11:25 500 26:45 15:50 44:49 7:76 11:24 11:25 500 26:45 15:50 44:49 7:76 11:24 11:25 500 26:45 15:50 44:49 7:76 11:24 11:25 500 26:4

REDUCTION OF MOON'S HORIZONTAL PARALLAX AND SEMI-DIAMETER TO ANY GIVEN GREENWICH DATE.

Add the Cor. when the Hor. Par. or Semid. is increasing; Subtract it when decreasing.

								_											_ '											
Time.													DI	FFE	REN	1CE	IN	12	но	URS	3.									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	33
H.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	,,	"	"	"	"	"	"	"	"	//	,,
1 1 1 1 2 2 2 2	0 0 0 0	0 0 0 0	0 0 0 1 1	0 1 1	0 0 1 1 1	0 1 1 1 1	0 1 1 1 1	0 1 1 1 2	0 1 1 2 2	0 1 1 2 2	1 1 1 2 2	1 1 2 2 3	1 1 2 2 3	1 1 2 2 3	1 1 2 3 3	1 1 2 3 3	1 1 2 3 4	1 2 2 3 4	1 2 2 3 4	1 2 3 4	1 2 3 4 4	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 5 6	1 2 4 5 6	1 2 4 5 6	1 2 4 5 6
3 3 4 4 4 5	0 0 0 0	1 1 1 1	1 1 1 1	1 1 2 2	1 2 2 2	2 2 2 2 3	2 2 2 3 3	2 2 3 3 3	2 3 3 4	3 3 4 4	3 4 4 5		3 4 4 5 5	4 4 5 5 6	4 4 5 6 6		4 5 6 6 7	5 5 6 7 8	5 6 6 7 8	6 7 8	5 6 7 8 9	6 6 7 8 9	6 7 8 9 10	6 7 8 9 10	6 7 8 9 10	7 8 9 10 11			7 8 10 11 12	9 10 11 13
5½ 6 6½ 7 7½	0 0 1 1 1	1 1 1 1	1 2 2 2 2	2 2 2 2 3	2 3 3 3	3 3 4 4	3 4 4 4 4	4 4 5 5	5 5 5	5 5 6 6	5 6 6 7	6 7 7	6 7 8 8	6 7 8 8 9	8 8 9	7 8 9 9	8 9 10 11	10	9 10 11	10 11	10 11 11 12 13	13		11 12 13 14 15	11 13 14 15 16	15	14 15	15 16	17	14 15 16 18 19
8 8 9 9 9 10	1 1 1 1	1 1 2 2 2	2 2 2 2 2	3 3 3 3 3	3 4 4 4 4	4 4 5 5 5	5 5 6 6	5 6 6 6 7	6	7 8 8 8	7 8 8 9 9	9 10	9 10 10 11	9 10 10 11 12	10 11 11 12 12	11 12 13	11 12 13 13 14	13 13 14	14 15 15	13 14 15 16 17	15 16 17	16	16	16 17 18 19 20		17 18 19 20 21	17 18 19 20 22	20	21	20 21 22 23 24
10½ 11 11½ 12	1 1 1	2 2 2	3 3 3	444	4 5 5 5	5 6 6 6	6 7 7	7 8 8	8 9 9	9 9 10 10	10 10 11 11	12	11 12 12 13	12 13 13 14	13 14 14 15	15 15	16	17	17 18	17 18 19 20	19 20	19 20 21 22	$\begin{array}{c} 20 \\ 21 \\ 22 \\ 23 \end{array}$	21 22 23 24	22 23 24 25	$23 \\ 24 \\ 25 \\ 26$	26	25 26 27 28	25 27 28 29	26 28 29 30

BINOMIAL COEFFICIENTS FOR INTERPOLATION BY DIFFERENCES.

Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.
*01	- ·005	+·003	·26	- 096	+ .056	*51	- ·125	+ '062	·76	- ·091	+ ·038
*02	·010	·006	·27	·099	.057	*52	·125	'062	·77	·089	·036
*03	·015	·010	·28	·101	.058	*53	·125	'061	·78	·086	·035
*04	·019	·013	·29	·103	.059	*54	·124	'060	·79	·083	·033
*05	·024	·015	·30	·105	.060	*55	·124	'060	·80	·080	·032
*06	·028	*018	·31	·107	*060	·56	·124	*059	*81	*077	*031
*07	·033	*021	·32	·109	*061	·57	·123	*058	*82	*074	*029
*08	·037	*024	·33	·111	*062	·58	·122	*058	*83	*071	*028
*09	·041	*026	·34	·112	*062	·59	·121	*057	*84	*067	*026
*10	·045	*028	·35	·114	*063	·60	·120	*056	*85	*064	*024
·11	*049	·031	•36	·115	*063	·61	·119	*055	*86	*060	*023
·12	*053	·033	•37	·117	*063	·62	·118	*054	*87	*057	*021
·13	*057	·035	•38	·118	*064	·63	·117	*053	*88	*053	*020
·14	*060	·037	•39	·119	*064	·64	·115	*052	*89	*049	*018
·15	*064	·039	•40	·120	*064	·65	·114	*051	*90	*045	*016
16 17 18 19	*067 *071 *074 *077 *080	*041 *043 *045 *046 *048	•41 •42 •43 •44 •45	·121 ·122 ·123 ·123 ·124	*064 *064 *064 *064 *064	·66 ·67 ·68 ·69 ·70	112 111 109 107 105	.050 .049 .048 .047 .045	•91 •92 •93 •94 •95	*041 *037 *033 *028 *024	*015 *013 *012 *010 *008
*21 *22 *23 *24 *25	*083 *086 *089 *091 *094	*049 *051 *052 *053 *055	•46 •47 •48 •49 •50	·124 ·125 ·125 ·125 ·125 ·125	*064 *064 *063 *063 *063	·71 ·72 ·73 ·74 ·75	·103 ·101 ·099 ·096 ·094	*044 *043 *042 *040 *039	•96 •97 •98 •99 1•00	*019 *015 *010 *005 *000	*007 *005 *003 *002 *000

LINKS TO BE SUBTRACTED FROM EACH CHAIN

IN AN ASCENDING OR DESCENDING LINE IN ORDER TO REDUCE IT TO THE HORIZONTAL PROJECTION, OR PLOTTING MEASURE.

If greater accuracy is required, see explanation of Table, page xli.

PA	RT I.						PAR	r II.					
Deg.	Links.	D.	М.	Links.	D.	М.	Links.	D.	М.	Links.	D.	M.	Links.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	0·24 0·38 0·55 0·55 0·75 1·52 1·52 1·54 2·19 2·56 2·97 3·41 3·87 4·37 4·37 4·59 5·45	4° 57 78 99 10 111 122 13 14 14 15 16	3' 44 1 7 4 56 44 29 11 50 28 4 39 12 44 16	111122222 55334	16° 17 17 18 18 19 19 20 20 21 21 21 22 22 23	46' 15 44 12 39 5 31 57 22 46 10 34 57 20 42 4	44 4 4 5 5 5 5 5 6 6 6 7 7 7 7 8	23° 23 24 24 24 25 25 26 26 26 27 27 27 28 28	26' 48 9 30 50 11 31 51 10 29 49 8 26 45 3 21	814 848 857 9 914 957 10 10 11 11 11 11 11 11 11 11 11 11 11 11	28° 28 29 29 30 30 30 31 31 31 32 32 32 32	39' 57 15 32 49 7 24 41 58 14 31 47 4 20 36 52	121 121 122 13 131 131 132 14 14 141 141 15 15 15 15 16

HEIGHT OF APPARENT ABOVE THE TRUE LEVEL. The Correction for Refraction is to be applied when necessary.

Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Miles.	Subtract Ft. In.
1	0.001	14	0.24	27	0.91	40	2.00	1	0 8
1 2 3	0.005	15	0.28	28	0.98	45	2.28	2	2 8
3	0.012	16	0.32	29	1.05	50	3.12	3	2 8 6 0
4	0.021	17	0.36	30	1.12	55	3.76	4	10 7
4 5 6 7	0.031	18	0.40	31	1.19	60	4.20	5	16 7
6	0.045	19	0.45	32	1.27	65	5:31	6	23 11
	0.061	20	0.50	33	1.35	70	6.12	7	32 6
8	0.080	21	0.55	34	1.44	75	7.03	8	42 6
9	0.101	22	0.60	35	1.53	80	8.00	9	53 9
10	0.125	23	0.67	36	1.62	85	9.03	10	66 4
11	0.151	24	0.72	37	1.71	90	10.12	11	80 3
12	0.180	25	0.78	38	1.80	95	11.28	12	95 7
13	0.204	26	0.82	39	1.91	100	11.50	13	112 8

AREAS, APOTHEMS, AND ANGLES OF POLYGONS.

Name of Polygon.	No. of Sides.	Apothem when side $= 1$.	Area when side $= 1$.	Interior Angle.	Central Angle.
Triangle	3	0.2886751	0.4330127	60° 0′	120° 0′
Square	4 5	0.2	1.	90	90
Pentagon	5	0.6881910	1.7204774	108	72
Hexagon	6	0.8660254	2.5980762	120	60
Heptagon	7	1.0382607	3.6339124	128 344	51 254
Octagon	8	1.2071068	4.8284271	135	45
Nonagon	9	1:3737387	6.1818242	140	40
Decagon	10	1.5388418	7.6942088	144	36
Undecagon	11	1.7028436	9.3656399	147 16 t	32 43,7
Dodecagon	12	1.8660254	11.1961524	150	30

QUARTER SQUARES.

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
1	0	61	930	121	3660	181	8190	241	1 4520	301	2 2650	361	3 2580
2	1	62	961	122	3721	182	8281	242	1 4641	302	2 2801	362	3 2761
3	2	63	992	123	3782	183	8372	243	1 4762	303	2 2952	363	3 2942
4	4	64	1024	124	3844	184	8464	244	1 4884	304	2 3104	364	3 3124
5	6	65	1056	125	3906	185	8556	245	1 5006	305	2 3256	365	3 3306
6	9	66	1089	126	3969	186	8649	246	1 5129	306	2 3409	366	3 3489
7	12	67	1122	127	4032	187	8742	247	1 5252	307	2 3562	367	3 3672
8	16	68	1156	128	4096	188	8836	248	1 5376	308	2 3716	368	3 3856
9	20	69	1190	129	4160	189	8930	249	1 5500	309	2 3870	369	3 4040
10	25	70	1225	130	4225	190	9025	250	1 5625	310	2 4025	370	3 4225
11 12 13 14 15	30 36 42 49 56	71 72 73 74 75	1260 1296 1332 1369 1406	131 132 133 134 135	4290 4356 4422 4489 4556	191 192 193 194 195	9120 9216 9312 9409 9506	251 252 253 254 254 255	1 5750 1 5876 1 6002 1 6129 1 6256	311 312 313 314 315	2 4180 - 2 4336 2 4492 2 4649 2 4806	371 372 373 374 375	3 4410 3 4596 3 4782 3 4969 3 5156
16	64	76	1444	136	4624	196	9604	256	1 6384	316	2 4964	376	3 5344
17	72	77	1482	137	4692	197	9702	257	1 6512	317	2 5122	377	3 5532
18	81	78	1521	138	4761	198	9801	258	1 6641	318	2 5281	378	3 5721
19	90	79	1560	139	4830	199	9900	259	1 6770	319	2 5440	379	3 5910
20	100	80	1600	140	4900	200	1 0000	260	1 6900	320	2 5600	380	3 6100
21	110	81	1640	141	4970	201	1 0100	261	1 7030	321	2 5760	381	3 6290
22	121	82	1681	142	5041	202	1 0201	262	1 7161	322	2 5921	382	3 6481
23	132	83	1722	143	5112	203	1 0302	263	1 7292	323	2 6082	383	3 6672
24	144	84	1764	144	5184	204	1 0404	264	1 7424	324	2 6244	384	3 6864
25	156	85	1806	145	5256	205	1 0506	265	1 7556	325	2 6406	385	3 7056
26	169	86	1849	146	5329	206	1 0609	266	1 7689	326	2 6569	386	3 7249
27	182	87	1892	147	5402	207	1 0712	267	1 7822	327	2 6732	387	3 7442
28	196	88	1936	148	5476	208	1 0816	268	1 7956	328	2 6896	388	3 7636
29	210	89	1980	149	5550	209	1 0920	269	1 8090	329	2 7060	389	3 7830
30	225	90	2025	150	5625	210	1 1025	270	1 8225	330	2 7225	390	3 8025
31	240	91	2070	151	5700	211	1 1130	271	1 8360	331	2 7390	391	3 8220
32	256	92	2116	152	5776	212	1 1236	272	1 8496	332	2 7556	392	3 8416
33	272	93	2162	153	5852	213	1 1342	273	1 8632	333	2 7722	393	3 8612
34	289	94	2209	154	5929	214	1 1449	274	1 8769	334	2 7889	394	3 8809
35	306	95	2256	155	6006	215	1 1556	275	1 8906	335	2 8056	395	3 9006
36	324	96	2304	156	6084	216	1 1664	276	1 9044	336	2 8224	396	3 9204
37	342	97	2352	157	6162	217	1 1772	277	1 9182	337	2 8392	397	3 9402
38	361	98	2401	158	6241	218	1 1881	278	1 9321	338	2 8561	398	3 9601
39	380	99	2450	159	6320	219	1 1990	279	1 9460	339	2 8730	399	3 9800
40	400	100	2500	160	6400	220	1 2100	280	1 9600	340	2 8900	400	4 0000
41	420	101	2550	161	6480	221	1 2210	281	1 9740	341	2 9070	401	4 0200
42	441	102	2601	162	6561	222	1 2321	282	1 9881	342	2 9241	402	4 0401
43	462	103	2652	163	6642	223	1 2432	283	2 0022	343	2 9412	403	4 0602
44	484	104	2704	164	6724	224	1 2544	284	2 0164	344	2 9584	404	4 0804
45	506	105	2756	165	6806	225	1 2656	285	2 0306	345	2 9756	405	4 1006
46	529	106	2809	166	6889	226	1 2769	286	2 0449	346	2 9929	406	4 1209
47	552	107	2862	167	6972	227	1 2882	287	2 0592	347	3 0102	407	4 1412
48	576	108	2916	168	7056	228	1 2996	288	2 0736	348	3 0276	408	4 1616
49	600	109	2970	169	7140	229	1 3110	289	2 0880	349	3 0450	409	4 1820
50	625	110	3025	170	7225	230	1 3225	290	2 1025	350	3 0625	410	4 2025
51	650	111	3080	171	7310	231	1 3340	291	2 1170	351	3 0800	411	4 2230
52	676	112	3136	172	7396	232	1 3456	292	2 1316	352	3 0976	412	4 2436
53	702	113	3192	173	7482	233	1 3572	293	2 1462	353	3 1152	413	4 2642
54	729	114	3249	174	7569	234	1 3689	294	2 1609	354	3 1329	414	4 2849
55	756	115	3306	175	7656	235	1 3806	295	2 1756	355	3 1506	415	4 3056
56	784	116	3364	176	7744	236	1 3924	296	2 1904	356	3 1684	416	4 3264
57	812	117	3422	177	7832	237	1 4042	297	2 2052	357	3 1862	417	4 3472
58	841	118	3481	178	7921	238	1 4161	298	2 2201	358	3 2041	418	4 3681
59	870	119	3540	179	8010	239	1 4280	299	2 2350	359	3 2220	419	4 3890
60	900	120	3600	180	8100	240	1 4400	300	2 2500	360	3 2400	420	4 4100

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No. Quar.	No. Quar. Sq.	No. Quar.	No. Quar.	No. Quar.	No. Quar.
421 4 4310	481 5 7840	541 7 3170	601 9 0300	661 10 9230	721 12 9960
422 4 4521	482 5 8081	542 7 3441	602 9 0601	662 10 9561	722 13 0321
423 4 4732	483 5 8322	543 7 3712	603 9 0902	663 10 9892	723 13 0682
424 4 4944	484 5 8564	544 7 3984	604 9 1204	664 11 0224	724 13 1044
425 4 5156	485 5 8806	545 7 4256	605 9 1506	665 11 0556	725 13 1406
426 4 5369	486 5 9049	546 7 4529	606 9 1809	666 11 0889	726 13 1769
427 4 5582	487 5 9292	547 7 4802	607 9 2112	667 11 1222	727 13 2132
428 4 5796	488 5 9536	548 7 5076	608 9 2416	668 11 1556	728 13 2496
429 4 6010	489 5 9780	549 7 5350	609 9 2720	669 11 1890	729 13 2860
430 4 6225	490 6 0025	550 7 5625	610 9 3025	670 11 2225	730 13 3225
431 4 6440	491 6 0270	551 7 5900	611 9 3330	671 11 2560	731 13 3590
432 4 6656	492 6 0516	552 7 6176	612 9 3636	672 11 2896	732 13 3956
433 4 6872	493 6 0762	553 7 6452	613 9 3942	673 11 3232	733 13 4322
434 4 7089	494 6 1009	554 7 6729	614 9 4249	674 11 3569	734 13 4689
435 4 7306	495 6 1256	555 7 7006	615 9 4556	675 11 3906	735 13 5056
436 4 7524	496 6 1504	556 7 7284	616 9 4864	676 11 4244	736 13 5424
437 4 7742	497 6 1752	557 7 7562	617 9 5172	677 11 4582	737 13 5792
438 4 7961	498 6 2001	558 7 7841	618 9 5481	678 11 4921	738 13 6161
439 4 8180	499 6 2250	559 7 8120	619 9 5790	679 11 5260	739 13 6530
440 4 8400	500 6 2500	560 7 8400	620 9 6100	680 11 5600	740 13 6900
441 4 8620	501 6 2750	561 7 8680	621 9 6410	681 11 5940	741 13 7270
442 4 8841	502 6 3001	562 7 8961	622 9 6721	682 11 6281	742 13 7641
443 4 9062	503 6 3252	563 7 9242	623 9 7032	683 11 6622	743 13 8012
444 4 9284	504 6 3504	564 7 9524	624 9 7344	684 11 6964	744 13 8384
445 4 9506	505 6 3756	565 7 9806	625 9 7656	685 11 7306	745 13 8756
446 4 9729	506 6 4009	566 8 0089	626 9 7969	686 11 7649	746 13 9129
447 4 9952	507 6 4262	567 8 0372	627 9 8282	687 11 7992	747 13 9502
448 5 0176	508 6 4516	568 8 0656	628 9 8596	688 11 8336	748 13 9876
449 5 0400	509 6 4770	569 8 0940	629 9 8910	689 11 8680	749 14 0250
450 5 0625	510 6 5025	570 8 1225	630 9 9225	690 11 9025	750 14 0625
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452 5 1076	512 6 5536	572 8 1796	632 9 9856	692 11 9716	752 14 1376
453 5 1302	513 6 5792	573 8 2082	633 10 0172	693 12 0062	753 14 1752
454 5 1529	514 6 6049	574 8 2369	634 10 0489	694 12 0409	754 14 2129
455 5 1756	515 6 6306	575 8 2656	635 10 0806	695 12 0756	755 14 2506
456 5 1984	516 6 6564	576 8 2944	636 10 1124	696 12 1104	756 14 2884
457 5 2212	517 6 6822	577 8 3232	637 10 1442	697 12 1452	757 14 3262
458 5 2441	518 6 7081	578 8 3521	638 10 1761	698 12 1801	758 14 3641
459 5 2670	519 6 7340	579 8 3810	639 10 2080	699 12 2150	759 14 4020
460 5 2900	520 6 7600	580 8 4100	640 10 2400	700 12 2500	760 14 4400
461 5 3130	521 6 7860	581 8 4390	641 10 2720	701 12 2850	761 14 4780
462 5 3361	522 6 8121	582 8 4681	642 10 3041	702 12 3201	762 14 5161-
463 5 3592	523 6 8382	583 8 4972	643 10 3362	703 12 3552	763 14 5542
464 5 3824	524 6 8644	584 8 5264	644 10 3684	704 12 3904	764 14 5924
465 5 4056	525 6 8906	585 8 5556	645 10 4006	705 12 4256	765 14 6306
466 5 4289	526 6 9169	586 8 5849	646 10 4329	706 12 4609	766 14 6689
467 5 4522	527 6 9432	587 8 6142	647 10 4652	707 12 4962	767 14 7072
468 5 4756	528 6 9696	588 8 6436	648 10 4976	708 12 5316	768 14 7456
469 5 4990	529 6 9960	589 8 6730	649 10 5300	709 12 5670	769 14 7840
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472 5 5696	532 7 0756	592 8 7616	652 10 6276	712 12 6736	772 14 8996
473 5 5932	533 7 1022	593 8 7912	653 10 6602	713 12 7092	773 14 9382
474 5 6169	534 7 1289	594 8 8209	654 10 6929	714 12 7449	774 14 9769
475 5 6406	535 7 1556	595 8 8506	655 10 7256	715 12 7806	775 15 0156
476 5 6644	536 7 1824	596 8 8804	656 10 7584	716 12 8164	776 15 0544
477 5 6882	537 7 2092	597 8 9102	657 10 7912	717 12 8522	777 15 0932
478 5 7121	538 7 2361	598 8 9401	658 10 8241	718 12 8881	778 15 1321
479 5 7360	539 7 2630	599 8 9700	659 10 8570	719 12 9240	779 15 1710
480 5 7600	540 7 2900	600 9 0000	660 10 8900	720 12 9600	780 15 2100

No.	Quar. Sq.		uar. N	o. (Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
781 782 783 784 785	15 2490 15 2881 15 3272 15 3664 15 4056	842 17 843 17 844 17	6820 90 7241 90 7662 90 8084 90 8506 90)2 20)3 20)4 20	2950 3401 3852 4304 4756	961 962 963 964 965	23 0880 23 1361 23 1842 23 2324 23 2806	1021 1022 1023 1024 1025	26 0610 26 1121 26 1632 26 2144 26 2656	1081 1082 1083 1084 1085	29 2140 29 2681 29 3222 29 3764 29 4306
786 787 788 789 790	15 4449 15 4842 15 5236 15 5630 15 6025	847 17 848 17 849 18	8929 99 9352 99 9776 99 0200 99 0625 99	07 20 08 20 09 20	5209 5662 6116 6570 7025	966 967 968 969 970	23 3289 23 3772 23 4256 23 4740 23 5225	1026 1027 1028 1029 1030	26 3169 26 3682 26 4196 26 4710 26 5225	1086 1087 1088 1089 1090	29 4849 29 5392 29 5936 29 6480 29 7025
791 792 793 794 795	15 6420 15 6816 15 7212 15 7609 15 8006	852 18 853 18 854 18	1050 91 1476 91 1902 91 2329 91 2756 91	.2 20 .3 20 .4 20	7480 7936 8392 8849 9306	971 972 973 974 975	23 5710 23 6196 23 6682 23 7169 23 7656	1031 1032 1033 1034 1035	26 5740 26 6256- 26 6772 26 7289 26 7806	1091 1092 1093 1094 1095	29 7570 29 8116 29 8662 29 9209 29 9756
796 797 798 799 800	15 8404 15 8802 15 9201 15 9600 16 0000	857 18 858 18 859 18 860 18	3184 91 3612 91 4041 91 4470 91 4900 91	7 21 8 21 9 21 9 21	9764 0222 0681 1140 1600	976 977 978 979 980	23 8144 23 8632 23 9121 23 9610 24 0100	1036 1037 1038 1039 1040	26 8324 26 8842 26 9361 26 9880 27 0400	1096 1097 1098 1099 1100	30 0304 30 0852 30 1401 30 1950 30 2500
801 802 803 804 805	16 0400 16 0801 16 1202 16 1604 16 2006	862 18 863 18 864 18 865 18	5330 95 5761 95 6192 95 6624 95 7056 95	22 21 23 21 24 21 25 21	2060 2521 2982 3444 3906	981 982 983 984 985	24 0590 24 1081 24 1572 24 2064 24 2556	1041 1042 1043 1044 1045	27 0920 27 1441 27 1962 27 2484 27 3006	1101 1102 1103 1104 1105	30 3050 30 3601 30 4152 30 4704 30 5256
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811 812 813 814 815	16 4430 16 4836 16 5242 16 5649 16 6056	872 19 873 19 874 19 875 19	9660 95 0096 95 0532 95 0969 95 1406 95	2 21 3 21 4 21 5 21	6690 7156 7622 8089 8556	991 992 993 994 995	24 5520 24 6016 24 6512 24 7009 24 7506	1051 1052 1053 1054 1055	27 6150 27 6676 27 7202 27 7729 27 8256	1111 1112 1113 1114 1115	30 8580 30 9136 30 9692 31 0249 31 0806
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No	0	270		1		1					
No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
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1143	32 6612	1203	36 1802	1263	39 8792	1323	43 7582	1383	47 8172	1443	52 0562
1144	32 7184	1204	36 2404	1264	39 9424	1324	43 8244	1384	47 8864	1444	52 1284
1145	32 7756	1205	36 3006	1265	40 0056	1325	43 8906	1385	47 9556	1445	52 2006
1146	32 8329	1206	36 3609	1266	40 0689	1326	43 9569	1386	48 0249	1446	52 2729
1147	32 8902	1207	36 4212	1267	40 1322	1327	44 0232	1387	48 0942	1447	52 3452
1148	32 9476	1208	36 4816	1268	40 1956	1328	44 0896	1388	48 1636	1448	52 4176
1149	33 0050	1209	36 5420	1269	40 2590	1329	44 1560	1389	48 2330	1449	52 4900
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1151	33 1200	1211	36 6630	1271	40 3860	1331	44 2890	1391	48 3720	1451	52 6350
1152	33 1776	1212	36 7236	1272	40 4496	1332	44 3556	1392	48 4416	1452	52 7076
1153	33 2352	1213	36 7842	1273	40 5132	1333	44 4222	1393	48 5112	1453	52 7802
1154	33 2929	1214	36 8449	1274	40 5769	1334	44 4889	1394	48 5809	1454	52 8529
1155	33 3506	1215	36 9056	1275	40 6406	1335	44 5556	1395	48 6506	1455	52 9256
1156	33 4084	1216	36 9664	1276	40 7044	1336	44 6224	1396	48 7204	1456	52 9984
1157	33 4662	1217	37 0272	1277	40 7682	1337	44 6892	1397	48 7902	1457	53 0712
1158	33 5241	1218	37 0881	1278	40 8321	1338	44 7561	1398	48 8601	1458	53 1441
1159	33 5820	1219	37 1490	1279	40 8960	1339	44 8280	1399	48 9300	1459	53 2170
1160	33 6400	1220	37 2100	1280	40 9600	1340	44 8900	1400	49 0000	1460	53 2900
1161	33 6980	1221	37 2710	1281	41 0240	1341	44 9570	1401	49 0700	1461	53 3630
1162	33 7561	1222	37 3321	1282	41 0881	1342	45 0241	1402	49 1401	1462	53 4361
1163	33 8142	1223	37 3932	1283	41 1522	1343	45 0912	1403	49 2102	1463	53 5092
1164	33 8724	1224	37 4544	1284	41 2164	1344	45 1584	1404	49 2804	1464	53 5824
1165	33 9306	1225	37 5156	1285	41 2806	1345	45 2256	1405	49 3506	1465	53 6556
1166	33 9889	1226	37 5769	1286	41 3449	1346	45 2929	1406	49 4209	1466	53 7289
1167	34 0472	1227	37 6382	1287	41 4092	1347	45 3602	1407	49 4912	1467	53 8022
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1174	34 4569	1234	38 0689	1294	41 8609	1354	45 8329	1414	49 9849	1474	54 3169
1175	34 5156	1235	38 1306	1295	41 9256	1355	45 9006	1415	50 0556	1475	54 3906
1176	34 5744	1236	38 1924	1296	41 9904	1356	45 9684	1416	50 1264	1476	54 4644
1177	34 6332	1237	38 2542	1297	42 0552	1357	46 0362	1417	50 1972-	1477	54 5382
1178	34 6921	1238	38 3161	1298	42 1201	1358	46 1041	1418	50 2681	1478	54 6121
1179	34 7510	1239	38 3780	1299	42 1850	1359	46 1720	1419	50 3390	1479	54 6860
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1183	34 9872	1243	38 6262	1303	42 4452	1363	46 4442	1423	50 6232	1483	54 9822
1184	35 0464	1244	38 6884	1304	42 5104	1364	46 5124	1424	50 6944	1484	55 0564
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1187	35 2242	1247	38 8752	1307	42 7062	1367	46 7172	1427	50 9082	1487	55 2792
1188	35 2836	1248	38 9376	1308	42 7716	1368	46 7856	1428	50 9796	1488	55 3536
1189	35 3430	1249	39 0000	1309	42 8370	1369	46 8540	1429	51 0510	1489	55 4280
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1191	35 4620	1251	39 1250	1311	42 9680	1371	46 9910	1431	51 1940	1491	55 5770
1192	35 5216	1252	39 1876	1312	43 0336	1372	47 0596	1432	51 2656	1492	55 6516
1193	35 5812	1253	39 2502	1313	43 0992	1373	47 1282	1433	51 3372	1493	55 7262
1194	35 6409	1254	39 3129	1314	43 1649	1374	47 1969	1434	51 4089	1494	55 8009
1195	35 7006	1255	39 3756	1315	43 2306	1375	47 2656	1435	51 4806	1495	55 8756
1196	35 7604	1256	39 4384	1316	43 2964	1376	47 3344	1436	51 5524	1496	55 9504
1197	35 8202	1257	39 5012	1317	43 3622	1377	47 4032	1437	51 6242	1497	56 0252
1198	35 8801	1258	39 5641	1318	43 4281	1378	47 4721	1438	51 6961	1498	56 1001
1199	35 9400	1259	39 6270	1319	43 4940	1379	47 5410	1439	51 7680	1499	56 1750
1200	36 0000	1260	39 6900	1320	43 5600	1380	47 6100	1440	51 8400	1500	56 2500

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No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
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1502	56 4001	1562	60 9961	1622	65 7721	1682	70 7281	1742	75 8641	1802	81 1801
1503	56 4752	1563	61 0742	1623	65 8532	1683	70 8122	1743	75 9512	1803	81 2702
1504	56 5504	1564	61 1524	1624	65 9344	1684	70 8964	1744	76 0384	1804	81 3604
1505	56 6256	1565	61 2306	1625	66 0156	1685	70 9806	1745	76 1256	1805	81 4506
1506	56 7009	1566	61 3089	1626	66 0969	1686	71 0649	1746	76 2129	1806	81 5409
1507	56 7762	1567	61 3872	1627	66 1782	1687	71 1492	1747	76 3002	1807	81 6312
1508	56 8516	1568	61 4656	1628	66 2596	1688	71 2336	1748	76 3876	1808	81 7216
1509	56 9270	1569	61 5440	1629	66 3410	1689	71 3180	1749	76 4750	1809	81 8120
1510	57 0025	1570	61 6225	1630	66 4225	1690	71 4025	1750	76 5625	1810	81 9025
1511	57 0780	1571	61 7010	1631	66 5040	1691	71 4870	1751	76 6500	1811	81 9930
1512	57 1536	1572	61 7796	1632	66 5856	1692	71 5716	1752	76 7376	1812	82 0836
1513	57 2292	1573	61 8582	1633	66 6672	1693	71 6562	1753	76 8252	1813	82 1742
1514	57 3049	1574	61 9369	1634	66 7489	1694	71 7409	1754	76 9129	1814	82 2649
1515	57 3806	1575	62 0156	1635	66 8306	1695	71 8256	1755	77 0006	1815	82 3556
1516	57 4564	1576	62 0944	1636	66 9124	1696	71 9104	1756	77 0884	1816	82 4464
1517	57 5322	1577	62 1732	1637	66 9942	1697	71 9952	1757	77 1762	1817	82 5372
1518	57 6081	1578	62 2521	1638	67 0761	1698	72 0801	1758	77 2641	1818	82 6281
1519	57 6840	1579	62 3310	1639	67 1580	1699	72 1650	1759	77 3520	1819	82 7190
1520	57 7600	1580	62 4100	1640	67 2400	1700	72 2500	1760	77 4400	1820	82 8100
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1522	57 9121	1582	62 5681	1642	67 4041	1702	72 4201	1762	77 6161	1822	82 9921
1523	57 9882	1583	62 6472	1643	67 4862	1703	72 5052	1763	77 7042	1823	83 0832
1524	58 0644	1584	62 7264	1644	67 5684	1704	72 5904	1764	77 7924	1824	83 1744
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1536	59 2130	1596	63 6804	1656	68 5584	1716	73 6164	1776	78 8544	1836	84 2724
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1541 1542 1543 1544 1545	59 5212 59 5984	1601 1602 1603 1604 1605	64 0800 64 1601 64 2402 64 3204 64 4006	1661 1662 1663 1664 1665	68 9730 69 0561 69 1392 69 2224 69 3056	1721 1722 1723 1724 1725	74 0460 74 1321 74 2182 74 3044 74 3906	1781 1782 1783 1784 1785	79 2990 79 3881 79 4772 79 5664 79 6556	1841 1842 1843 1844 1845	84 7320 84 8241 84 9162 85 0084 85 1006
1546 1547 1548 1549 1550	59 8302 59 9076 59 9850	1606 1607 1608 1609 1610	64 4809 64 5612 64 6416 64 7220 64 8025	1666 1667 1668 1669 1670	69 3889 69 4722 69 5556 69 6390 69 7225	1726 1727 1728 1729 1730	74 4769 74 5632 74 6496 74 7360 74 8225	1786 1787 1788 1789 1790	79 7449 79 8342 79 9236 80 0130 80 1025	1846 1847 1848 1849 1850	85 1929 85 2852 85 3776 85 4700 85 5625
1551 1552 1553 1554 1555	60 2176 60 2952 60 3729	1611 1612 1613 1614 1615	64 8820 64 9636 65 0442 65 1249 65 2056	1671 1672 1673 1674 1675	69 8060 69 8896 69 9732 70 0569 70 1406	1731 1732 1733 1734 1735	74 9090 74 9956 75 0822 75 1689 75 2556	1791 1792 1793 1794 1795	80 1920 80 2816 80 3712 80 4609 80 5506	1851 1852 1853 1854 1855	85 6550 85 7476 85 8402 85 9329 86 0256
1556 1557 1558 1559 1560	60 6062 60 6841 60 7620	1616 1617 1618 1619 1620		1676 1677 1678 1679 1680	70 2244 70 3082 70 3921 70 4760 70 5600	1736 1737 1738 1739 1740	75 3424 75 4292 75 5161 75 6030 75 6900	1796 1797 1798 1799 1800	80 6404 80 7302 80 8201 80 9100 81 0000	1856 1857 1858 1859 1860	86 1184 86 2112 86 3041 86 3970 86 4900

						- 4			V.
No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No. Quar.	No. Quar.
1861 1862 1863 1864 1865	86 5830 86 6761 86 7692 86 8624 86 9556	1921 1922 1923 1924 1925	92 2560 92 3521 92 4482 92 5444 92 6406	1981 1982 1983 1984 1985	98 1090 98 2081 98 3072 98 4064 98 5056	2042 2043 2044	104 1420 104 2441 104 3462 104 4484 104 5506	2101 110 3550 2102 110 4601 2103 110 5652 2104 110 6704 2105 110 7756	2161 116 7480 2162 116 8561 2163 116 9642 2164 117 0724 2165 117 1806
1866	87 0489	1926	92 7369	1986	98 6049	2047	104 6529	2106 110 8809	2166 117 2889
1867	87 1422	1927	92 8332	1987	98 7042		104 7552	2107 110 9862	2167 117 3972
1868	87 2356	1928	92 9296	1988	98 8036		104 8576	2108 111 0916	2168 117 5056
1869	87 3290	1929	93 0260	1989	98 9030		104 9600	2109 111 1970	2169 117 6140
1870	87 4225	1930	93.1225	1990	99 0025		105 0625	2110 111 3025	2170 117 7225
1871	87 5160	1931	93 2190	1991	99 1020	2051	105 1650	2111 111 4080	2171 117 8310
1872	87 6096	1932	93 3156	1992	99 2016	2052	105 2676	2112 111 5136	2172 117 9396
1873	87 7032	1933	93 4122	1993	99 3012	2053	105 3702	2113 111 6192	2173 118 0482
1874	87 7969	1934	93 5089	1994	99 4009	2054	105 4729	2114 111 7249	2174 118 1569
1875	87 8906	1935	93 6056	1995	99 5006	2055	105 5756	2115 111 8306	2175 118 2656
1876	87 9844	1936	93 7024	1996	99 6004	2056	105 6784	2116 111 9364	2176 118 3744
1877	88 0782	1937	93 7992	1997	99 7002	2057	105 7812	2117 112 0422	2177 118 4832
1878	88 1721	1938	93 8961	1998	99 8001	2058	105 8841	2118 112 1481	2178 118 5921
1879	88 2660	1939	93 9930	1999	99 9000	2059	105 9870	2119 112 2540	2179 118 7010
1880	88 3600	1940	94 0900	2000	100 0000	2060	106 0900	2120 112 3600	2180 118 8100
1881	88 4540	1941	94 1870	2001	100 1000	2061	106 1930	2121 112 4660	2181 118 9190
1882	88 5481	1942	94 2841	2002	100 2001	2062	106 2961	2122 112 5721	2182 119 0281
1883	88 6422	1943	94 3812	2003	100 3002	2063	106 3992	2123 112 6782	2183 119 1372
1884	88 7364	1944	94 4784	2004	100 4004	2064	106 5024	2124 112 7844	2184 119 2464
1885	88 8306	1945	94 5756	2005	100 5006	2065	106 6056	2125 112 8906	2185 119 3556
1886	88 9249	1946	94 6729	2006	100 6009	2066	106 7089	2126 112 9969	2186 119 4649
1887	89 0192	1947	94 7702	2007	100 7012	2067	106 8122	2127 113 1032	2187 119 5742
1888	89 1136	1948	94 8676	2008	100 8016	2068	106 9156	2128 113 2096	2188 119 6836
1889	89 2080	1949	94 9650	2009	100 9020	2069	107 0190	2129 113 3160	2189 119 7930
1890	89 3025	1950	95 0625	2010	101 0025	2070	107 1225	2130 113 4225	2190 119 9025
1891	89 3970	1951	95 1600	2011	101 1030	2071	107 2260	2131 113 5290	2191 120 0120
1892	89 4916	1952	95 2576	2012	101 2036	2072	107 3296	2132 113 6356	2192 120 1216
1893	89 5862	1953	95 3552	2013	101 3042	2073	107 4332	2133 113 7422	2193 120 2312
1894	89 6809	1954	95 4529	2014	101 4049	2074	107 5369	2134 113 8489	2194 120 3409
1895	89 7756	1955	95 5506	2015	101 5056	2075	107 6406	2135 113 9556	2195 120 4506
1896	89 8704	1956	95 6484	2016	101 6064	2076	107 7444	2136 114 0624	2196 120 5604
1897	89 9652	1957	95 7462	2017	101 7072	2077	107 8482	2137 114 1692	2197 120 6702
1898	90 0601	1958	95 8441	2018	101 8081	2078	107 9521	2138 114 2761	2198 120 7801
1899	90 1550	1959	95 9420	2019	101 9090	2079	108 0560	2139 114 3830	2199 120 8900
1900	90 2500	1960	96 0400	2020	102 0100	2080	108 1600	2140 114 4900	2200 121 0000
1901	90 3450	1961	96 1380	2021	102 1110	2081	108 2640	2141 114 5970	2201 121 1100
1902	90 4401	1962	96 2361	2022	102 2121	2082	108 3681	2142 114 7041	2202 121 2201
1903	90 5352	1963	96 3342	2023	102 3132	2083	108 4722	2143 114 8112	2203 121 3302
1904	90 6304	1964	96 4324	2024	102 4144	2084	108 5764	2144 114 9184	2204 121 4404
1905	90 7256	1965	96 5306	2025	102 5156	2085	108 6806	2145 115 0256	2205 121 5506
1908 1909	91 0116 91 1070	1966 1967 1968 1969 1970	96 8256 96 9240	2026 2027 2028 2029 2030	102 6169 102 7182 102 8196 102 9210 103 0225	2086 2087 2088 2089 2090	108 7849 108 8892 108 9936 109 0980 109 2025	2146 115 1329 2147 115 2402 2148 115 3476 2149 115 4550 2150 115 5625	2206 121 6609 2207 121 7712 2208 121 8816 2209 121 9920 2210 122 1025
1912 1913 1914	91 3936 91 4892 91 5849	1971 1972 1973 1974 1975	97 2196 97 3182 97 4169	2031 2032 2033 2034 2035	103 1240 103 2256 103 3272 103 4289 103 5306	2091 2092 2093 2094 2095	109 3070 109 4116 109 5162 109 6209 109 7256	2151 115 6700 2152 115 7776 2153 115 8852 2154 115 9929 2155 116 1006	2211 122 2130 2212 122 3236 2213 122 4342 2214 122 5449 2215 122 6556
1917 1918 1919	91 8722 91 9681 92 0640	1976 1977 1978 1979 1980	97 7132 97 8121 97 9110	2036 2037 2038 2039 2040	103 6324 103 7342 103 8361 103 9380 104 0400	2096 2097 2098 2099 2100	109 8304 109 9352 110 0401 110 1450 110 2500	2156 116 2084 2157 116 3162 2158 116 4241 2159 116 5320 2160 116 6400	2216 122 7664 2217 122 8772 2218 122 9881 2219 123 0990 2220 123 2100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
2221	123 3210	2281	130 0740	2341	137 0070	2401	144 1200	2461	151 4130	2521	158 8860
2222	123 4321	2282	130 1881	2342	137 1241	2402	144 2401	2462	151 5361	2522	159 0121
2223	123 5432	2283	130 3022	2343	137 2412	2403	144 3602	2463	151 6592	2523	159 1382
2224	123 6544	2284	130 4164	2344	137 3584	2404	144 4804	2464	151 7824	2524	159 2644
2225	123 7656	2285	130 5306	2345	137 4756	2405	144 6006	2465	151 9056	2525	159 3906
2226	123 8769	2286	130 6449	2346	137 5929	2406	144 7209	2466	152 0289	2526	159 5169
2227	123 9882	2287	130 7592	2347	137 7102	2407	144 8412	2467	152 1522	2527	159 6432
2228	124 0996	2288	130 8736	2348	137 8276	2408	144 9616	2468	152 2756	2528	159 7696
2229	124 2110	2289	130 9880	2349	137 9450	2409	145 0820	2469	152 3990	2529	159 8960
2230	124 3225	2290	131 1025	2350	138 0625	2410	145 2025	2470	152 5225	2530	160 0225
2231	124 4340	2291	131 2170	2351	138 1800	2411	145 3230	2471	152 6460	2531	160 1490
2232	124 5456	2292	131 3316	2352	138 2976	2412	145 4436	2472	152 7696	2532	160 2756
2233	124 6572	2293	131 4462	2353	138 4152	2413	145 5642	2473	152 8932	2533	160 4022
2234	124 7689	2294	131 5609	2354	138 5329	2414	145 6849	2474	153 0169	2534	160 5289
2235	124 8806	2295	131 6756	2355	138 6506	2415	145 8056	2475	153 1406	2535	160 6556
2236	124 9924	2296	131 7904	2356	138 7684	2416	145 9264	2476	153 2644	2536	160 7824
2237	125 1042	2297	131 9052	2357	138 8862	2417	146 0472	2477	153 3882	2537	160 9092
2238	125 2161	2298	132 0201	2358	139 0041	2418	146 1681	2478	153 5121	2538	161 0361
2239	125 3280	2299	132 1350	2359	139 1220	2419	146 2890	2479	153 6360	2539	161 1630
2240	125 4400	2300	132 2500	2360	139 2400	2420	146 4100	2480	153 7600	2540	161 2900
2241	125 5520	2301	132 3650	2361	139 3580	2421	146 5310	2481	153 8840	2541	161 4170
2242	125 6641	2302	132 4801	2362	139 4761	2422	146 6521	2482	154 0081	2542	161 5441
2243	125 7762	2303	132 5952	2363	139 5942	2423	146 7732	2483	154 1322	2543	161 6712
2244	125 8884	2304	132 7104	2364	139 7124	2424	146 8944	2484	154 2564	2544	161 7984
2245	126 0006	2305	132 8256	2365	139 8306	2425	147 0156	2485	154 3806	2545	161 9256
2246	126 1129	2306	132 9409	2366	139 9489	2426	147 1369	2486	154 5049	2546	162 0529
2247	126 2252	2307	133 0562	2367	140 0672	2427	147 2582	2487	154 6292	2547	162 1802
2248	126 3376	2308	133 1716	2368	140 1856	2428	147 3796	2488	154 7536	2548	162 3076
2249	126 4500	2309	133 2870	2369	140 3040	2429	147 5010	2489	154 8780	2549	162 4350
2250	126 5625	2310	133 4025	2370	140 4225	2430	147 6225	2490	155 0025	2550	162 5625
2251	126 6750	2311	133 5180	2371	140 5410	2431	147 7440	2491	155 1270	2551	162 6900
2252	126 7876	2312	133 6336	2372	140 6596	2432	147 8656	2492	155 2516	2552	162 8176
2253	126 9002	2313	133 7492	2373	140 7782	2433	147 9872	2493	155 3762	2553	162 9452
2254	127 0129	2314	133 8649	2374	140 8969	2434	148 1089	2494	155 5009	2554	163 0729
2255	127 1256	2315	133 9806	2375	141 0156	2435	148 2306	2495	155 6256	2555	163 2006
2256	127 2384	2316	134 0964	2376	141 1344	2436	148 3524	2496	155 7504	2556	163 3284
2257	127 3512	2317	134 2122	2377	141 2532	2437	148 4742	2497	155 8752	2557	163 4562
2258	127 4641	2318	134 3281	2378	141 3721	2438	148 5961	2498	156 0001	2558	163 5841
2259	127 5770	2319	134 4440	2379	141 4910	2439	148 7180	2499	156 1250	2559	163 7120
2260	127 6900	2320	134 5600	2380	141 6100	2440	148 8400	2500	156 2500	2560	163 8400
2261	127 8030	2321	134 6760	2381	141 7290	2441	148 9620	2501	156 3750	2561	163 9680
2262	127 9161	2322	134 7921	2382	141 8481	2442	149 0841	2502	156 5001	2562	164 0961
2263	128 0292	2323	134 9082	2383	141 9672	2443	149 2062	2503	156 6252	2563	164 2242
2264	128 1424	2324	135 0244	2384	142 0864	2444	149 3284	2504	156 7504	2564	164 3524
2265	128 2556	2325	135 1406	2385	142 2056	2445	149 4506	2505	156 8756	2565	164 4806
2266	128 3689	2326	135 2569	2386	142 3249	2446	149 5729	2506	157 0009	2566	164 6089
2267	128 4822	2327	135 3732	2387	142 4442	2447	149 6952	2507	157 1262	2567	164 7372
2268	128 5956	2328	135 4896	2388	142 5636	2448	149 8176	2508	157 2516	2568	164 8656
2269	128 7090	2329	135 6060	2389	142 6830	2449	149 9400	2509	157 3770	2569	164 9940
2270	128 8225	2330	135 7225	2390	142 8025	2450	150 0625	2510	157 5025	2570	165 1225
2271	128 9360	2331	135 8390	2391	142 9220	2451	150 1850	2511	157 6280	2571	165 2510
2272	129 0496	2332	135 9556	2392	143 0416	2452	150 3076	2512	157 7536	2572	165 3796
2273	129 1632	2333	136 0722	2393	143 1612	2453	150 4302	2513	157 8792	2573	165 5082
2274	129 2769	2334	136 1889	2394	143 2809	2454	150 5529	2514	158 0049	2574	165 6369
2275	129 3906	2335	136 3056	2395	143 4006	2455	150 6756	2515	158 1306	2575	165 7656
2276 2277 2278 2279 2280	129 5044 129 6182 129 7321 129 8460 129 9600	2336 2337 2338 2339 2340	136 4224 136 5392 136 6561 136 7730 136 8900	2396 2397 2398 2399 2400	143 5204 143 6402 143 7601 143 8800 144 0000	2456 2457 2458 2459 2460	150 7984 150 9212 151 0441 151 1670 151 2900	2516 2517 2518 2519 2520	158 5081 158 6340	2576 2577 2578 2579 2580	165 S944 166 0232 166 1521 166 2810 166 4100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
2581	166 5390	2641	174 3720	2701	182 3850	2761	190 5780	2821	198 9510	2881	207 5040
2582	166 6681	2642	174 5041	2702	182 5201	2762	190 7161	2822	199 0921	2882	207 6481
2583	166 7972	2643	174 6362	2703	182 6552	2763	190 8542	2823	199 2332	2883	207 7922
2584	166 9264	2644	174 7684	2704	182 7904	2764	190 9924	2824	199 3744	2884	207 9364
2585	167 0556	2645	174 9006	2705	182 9256	2765	191 1306	2825	199 5156	2885	208 0806
2586	167 1849	2646	175 0329	2706	183 0609	2766	191 2689	2826	199 6569	2886	208 2249
2587	167 3142	2647	175 1652	2707	183 1962	2767	191 4072	2827	199 7982	2887	208 3692
2588	167 4436	2648	175 2976	2708	183 3316	2768	191 5456	2828	199 9396	2888	208 5136
2589	167 5730	2649	175 4300	2709	183 4670	2769	191 6840	2829	200 0810	2889	208 6580
2590	167 7025	2650	175 5625	2710	183 6025	2770	191 8225	2830	200 2225	2890	208 8025
2591	167 8320	2651	175 6950	2711	183 7380	2771	191 9610	2831	200 3640	2891	208 9470
2592	167 9616	2652	175 8276	2712	183 8736	2772	192 0996	2832	200 5056	2892	209 0916
2593	168 0912	2653	175 9602	2713	184 0092	2773	192 2382	2833	200 6472	2893	209 2362
2594	168 2209	2654	176 0929	2714	184 1449	2774	192 3769	2834	200 7889	2894	209 3809
2595	168 3506	2655	176 2256	2715	184 2806	2775	192 5156	2835	200 9306	2895	209 5256
2596	168 4804	2656	176 3584	2716	184 4164	2776	192 6544	2836	201 0724	2896	209 6704
2597	168 6102	2657	176 4912	2717	184 5522	2777	192 7932	2837	201 2142	2897	209 8152
2598	168 7401	2658	176 6241	2718	184 6881	2778	192 9321	2838	201 3561	2898	209 9601
2599	168 8700	2659	176 7570	2719	184 8240	2779	193 0710	2839	201 4980	2899	210 1050
2600	169 0000	2660	176 8900	2720	184 9600	2780	193 2100	2840	201 6400	2900	210 2500
2601	169 1300	2661	177 0230	2721	185 0960	2781	193 3490	2841	201 7820	2901	210 3950
2602	169 2601	2662	177 1561	2722	185 2321	2782	193 4881	2842	201 9241	2902	210 5401
2603	169 3902	2663	177 2892	2723	185 3682	2783	193 6272	2843	202 0662	2903	210 6852
2604	169 5204	2664	177 4224	2724	185 5044	2784	193 7664	2844	202 2084	2904	210 8304
2605	169 6506	2665	177 5556	2725	185 6406	2785	193 9056	2845	202 3506	2905	210 9756
2606	169 7809	2666	177 6889	2726	185 7769	2786	194 0449	2846	202 4929	2906	211 1209
2607	169 9112	2667	177 8222	2727	185 9132	2787	194 1842	2847	202 6352	2907	211 2662
2608	170 0416	2668	177 9556	2728	186 0496	2788	194 3236	2848	202 7776	2908	211 4116
2609	170 1720	2669	178 0890	2729	186 1860	2789	194 4630	2849	202 9200	2909	211 5570
2610	170 3025	2670	178 2225	2730	186 3225	2790	194 6025	2850	203 0625	2910	211 7025
2611	170 4330	2671	178 3560	2731	186 4590	2791	194 7420	2851	203 2050	2911	211 8480
2612	170 5636	2672	178 4896	2732	186 5956	2792	194 8816	2852	203 3476	2912	211 9936
2613	170 6942	2673	178 6232	2733	186 7322	2793	195 0212	2853	203 4902	2913	212 1392
2614	170 8249	2674	178 7569	2734	186 8689	2794	195 1609	2854	203 6329	2914	212 2849
2615	170 9556	2675	178 8906	2735	187 0056	2795	195 3006	2855	203 7756	2915	212 4306
2616	171 0864	2676	179 0244	2736	187 1424	2796	195 4404	2856	203 9184	2916	212 5764
2617	171 2172	2677	179 1582	2737	187 2792	2797	195 5802	2857	204 0612	2917	212 7222
2618	171 3481	2678	179 2921	2738	187 4161	2798	195 7201	2858	204 2041	2918	212 8681
2619	171 4790	2679	179 4260	2739	187 5530	2799	195 8600	2859	204 3470	2919	213 0140
2620	171 6100	2680	179 5600	2740	187 6900	2800	196 0000	2860	204 4900	2920	213 1600
2621	171 7410	2681	179 6940	2741	187 8270	2801	196 1400	2861	204 6330	2921	213 3060
2622	171 8721	2682	179 8281	2742	187 9641	2802	196 2801	2862	204 7761	2922	213 4521
2623	172 0032	2683	179 9622	2743	188 1012	2803	196 4202	2863	204 9192	2923	213 5982
2624	172 1344	2684	180 0964	2744	188 2384	2804	196 5604	2864	205 0624	2924	213 7444
2625	172 2656	2685	180 2306	2745	188 3756	2805	196 7006	2865	205 2056	2925	213 8906
2626	172 3969	2686	180 3649	2746	188 5129	2806	196 8409	2866	205 3489	2926	214 0369
2627	172 5282	2687	180 4992	2747	188 6502	2807	196 9812	2867	205 4922	2927	214 1832
2628	172 6596	2688	180 6336	2748	188 7876	2808	197 1216	2868	205 6356	2928	214 3296
2629	172 7910	2689	180 7680	2749	188 9250	2809	197 2620	2869	205 7790	2929	214 4760
2630	172 9225	2690	180 9025	2750	189 0625	2810	197 4025	2870	205 9225	2930	214 6225
2631	173 0540	2691	181 0370	2751	189 2000	2811	197 5430	2871	206 0660	2931	214 7690
2632	173 1856	2692	181 1716	2752	189 3376	2812	197 6836	2872	206 2096	2932	214 9156
2633	173 3172	2693	181 3062	2753	189 4752	2813	197 8242	2873	206 3532	2933	215 0622
2634	173 4489	2694	181 4409	2754	189 6129	2814	197 9649	2874	206 4969	2934	215 2089
2635	173 5806	2695	181 5756	2755	189 7506	2815	198 1056	2875	206 6406	2935	215 3556
2636	173 7124	2696	181 7104	2756	189 8884	2816	198 2464	2876	206 7844	2936	215 5024
2637	173 8442	2697	181 8452	2757	190 0262	2817	198 3872	2877	206 9282	2937	215 6492
2638	173 9761	2698	181 9801	2758	190 1641	2818	198 5281	2878	207 0721	2938	215 7961
2639	174 1080	2699	182 1150	2759	190 3020	2819	198 6690	2879	207 2160	2939	215 9430
2640	174 2400	2700	182 2500	2760	190 4400	2820	198 8100	2880	207 3600	2940	216 0900

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
2941	216 2370	3001	225 1500	3061	234 2430	3121	243 5160	3181	252 9690	3241	262 6020
2942	216 3841	3002	225 3001	3062	234 3961	3122	243 6721	3182	253 1281	3242	262 7641
2943	216 5312	3003	225 4502	3063	234 5492	3123	243 8282	3183	253 2872	3243	262 9262
2944	216 6784	3004	225 6004	3064	234 7024	3124	243 9844	3184	253 4464	3244	263 0884
2945	216 8256	3005	225 7506	3065	234 8556	3125	244 1406	3185	253 6056	3245	263 2506
2946	216 9729	3006	225 9009	3066	235 0089	3126	244 2969	3186	253 7649	3246	263 4129
2947	217 1202	3007	226 0512	3067	235 1622	3127	244 4532	3187	253 9242	3247	263 5752
2948	217 2676	3008	226 2016	3068	235 3156	3128	244 6096	3188	254 0836	3248	263 7376
2949	217 4150	3009	226 3520	3069	235 4690	3129	244 7660	3189	254 2430	3249	263 9000
2950	217 5625	3010	226 5025	3070	235 6225	3130	244 9225	3190	254 4025	3250	264 0625
2951	217 7100	3011	226 6530	3071	235 7760	3131	245 0790	3191	254 5620	3251	264 2250
2952	217 8576	3012	226 8036	3072	235 9296	3132	245 2356	3192	254 7216	3252	264 3876
2953	218 0052	3013	226 9542	3073	236 0832	3133	245 3922	3193	254 8812	3253	264 5502
2954	218 1529	3014	227 1049	3074	236 2369	3134	245 5489	3194	255 0409	3254	264 7129
2955	218 3006	3015	227 2556	3075	236 3906	3135	245 7056	3195	255 2006	3255	264 8756
2956	218 4484	3016	227 4064	3076	236 5444	3136	245 8624	3196	255 3604	3256	265 0384
2957	218 5962	3017	227 5572	3077	236 6982	3137	246 0192	3197	255 5202	3257	265 2012
2958	218 7441	3018	227 7081	3078	236 8521	3138	246 1761	3198	255 6801	3258	265 3641
2959	218 8920	3019	227 8590	3079	237 0060	3139	246 3330	3199	255 8400	3259	265 5270
2960	219 0400	3020	228 0100	3080	237 1600	3140	246 4900	3200	256 0000	3260	265 6900
2961	219 1880	3021	228 1610	3081	237 3140	3141	246 6470	3201	256 1600	3261	265 8530
2962	219 3361	3022	228 3121	3082	237 4681	3142	246 8041	3202	256 3201	3262	266 0161
2963	219 4842	3023	228 4632	3083	237 6222	3143	246 9612	3203	256 4802	3263	266 1792
2964	219 6324	3024	228 6144	3084	237 7764	3144	247 1184	3204	256 6404	3264	266 3424
2965	219 7806	3025	228 7656	3085	237 9306	3145	247 2756	3205	256 8006	3265	266 5056
2966	219 9289	3026	228 9169	3086	238 0849	3146	247 4329	3206	256 9609	3266	266 6689
2967	220 0772	3027	229 0682	3087	238 2392	3147	247 5902	3207	257 1212	3267	266 8322
2968	220 2256	3028	229 2196	3088	238 3936	3148	247 7476	3208	257 2816	3268	266 9956
2969	220 3740	3029	229 3710	3089	238 5480	3149	247 9050	3209	257 4420	3269	267 1590
2970	220 5225	3030	229 5225	3090	238 7025	3150	248 0625	3210	257 6025	3270	267 3225
2971	220 6710	3031	229 6740	3091	238 8570	3151	248 2200	3211	257 7630	3271	267 4860
2972	220 8196	3032	229 8256	3092	239 0116	3152	248 3776	3212	257 9236	3272	267 6496
2973	220 9682	3033	229 9772	3093	239 1662	3153	248 5352	3213	258 0842	3273	267 8132
2974	221 1169	3034	230 1289	3094	239 3209	3154	248 6929	3214	258 2449	3274	267 9769
2975	221 2656	3035	230 2806	3095	239 4756	3155	248 8506	3215	258 4056	3275	268 1406
2976	221 4144	3036	230 4324	3096	239 6304	3156	249 0084	3216	258 5664	3276	268 3044
2977	221 5632	3037	230 5842	3097	239 7852	3157	249 1662	3217	258 7272	3277	268 4682
2978	221 7121	3038	230 7361	3098	239 9401	3158	249 3241	3218	258 8881	3278	268 6321
2979	221 8610	3039	230 8880	3099	240 0950	3159	249 4820	3219	259 0490	3279	268 7960
2980	222 0100	3040	231 0400	3100	240 2500	3160	249 6400	3220	259 2100	3280	268 9600
2981	222 1590	3041	231 1920	3101	240 4050	3161	249 7980	3221	259 3710	3281	269 1240
2982	222 3081	3042	231 3441	3102	240 5601	3162	249 9561	3222	259 5321	3282	269 2881
2983	222 4572	3043	231 4962	3103	240 7152	3163	250 1142	3223	259 6932	3283	269 4522
2984	222 6064	3044	231 6484	3104	240 8704	3164	250 2724	3224	259 8544	3284	269 6164
2985	222 7556	3045	231 8006	3105	241 0256	3165	250 4306	3225	260 0156	3285	269 7806
2986	222 9049	3046	231 9529	3106	241 1809	3166	250 5889	3226	260 1769	3286	269 9449
2987	223 0542	3047	232 1052	3107	241 3362	3167	250 7472	3227	260 3382	3287	270 1092
2988	223 2036	3048	232 2576	3108	241 4916	3168	250 9056	3228	260 4996	3288	270 2736
2989	223 3530	3049	232 4100	3109	241 6470	3169	251 0640	3229	260 6610	3289	270 4380
2990	223 5025	3050	232 5625	3110	241 8025	3170	251 2225	3230	260 8225	3290	270 6025
2991	223 6520	3051	232 7150	3111	241 9580	3171	251 3810	3231	260 9840	3291	270 7670
2992	223 8016	3052	232 8676	3112	242 1136	3172	251 5396	3232	261 1456	3292	270 9316
2993	223 9512	3053	233 0202	3113	242 2692	3173	251 6982	3233	261 3072	3293	271 0962
2994	224 1009	3054	233 1729	3114	242 4249	3174	251 8569	3234	261 4689	3294	271 2609
2995	224 2506	3055	233 3256	3115	242 5806	3175	252 0156	3235	261 6306	3295	271 4256
2996 2997 2998 2999 3000		3056 3057 3058 3059 3060	233 4784 233 6312 233 7841 233 9370 234 0900	3116 3117 3118 3119 3120	242 7364 242 8922 243 0481 243 2040 243 3600	3176 3177 3178 3179 3180	252 3332 252 4921 252 6510	3236 3237 3238 3239 3240	261 7924 261 9542 262 1161 262 2780 262 4400	3296 3297 3298 3299 3300	271 5904 271 7552 271 9201 272 0850 272 2500

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
3301	272 4150	3361	282 4080	3421	292 5810	3481	302 9340	3541	313 4670	3601	324 1800
3302	272 5801	3362	282 5761	3422	292 7521	3482	303 1081	3542	313 6441	3602	324 3601
3303	272 7452	3363	282 7442	3423	292 9232	3483	303 2822	3543	313 8212	3603	324 5402
3304	272 9104	3364	282 9124	3424	293 0944	3484	303 4564	3544	313 9984	3604	324 7204
3305	273 0756	3365	283 0806	3425	293 2656	3485	303 6306	3545	314 1756	3605	324 9006
3306	273 2409	3366	283 2489	3426	293 4369	3486	303 8049	3546	314 3529	3606	325 0809
3307	273 4062	3367	283 4172	3427	293 6082	3487	303 9792	3547	314 5302	3607	325 2612
3308	273 5716	3368	283 5856	3428	293 7796	3488	304 1536	3548	314 7076	3608	325 4416
3309	273 7370	3369	283 7540	3429	293 9510	3489	304 3280	3549	314 8850	3609	325 6220
3310	273 9025	3370	283 9225	3430	294 1225	3490	304 5025	3550	315 0625	3610	325 8025
3311	274 0680	3371	284 0910	3431	294 2940	3491	304 6770	3551	315 2400	3611	325 9830
3312	274 2336	3372	284 2596	3432	294 4656	3492	304 8516	3552	315 4176	3612	326 1636
3313	274 3992	3373	284 4282	3433	294 6372	3493	305 0262	3553	315 5952	3613	326 3442
3314	274 5649	3374	284 5969	3434	294 8089	3494	305 2009	3554	315 7729	3614	326 5249
3315	274 7306	3375	284 7656	3435	294 9806	3495	305 3756	3555	315 9506	3615	326 7056
3316	274 8964	3376	284 9344	3436	295 1524	3496	305 5504	3556	316 1284	3616	326 8864
3317	275 0622	3377	285 1032	3437	295 3242	3497	305 7252	3557	316 3062	3617	327 0672
3318	275 2281	3378	285 2721	3438	295 4961	3498	305 9001	3558	316 4841	3618	327 2481
3319	275 3940	3379	285 4410	3439	295 6680	3499	306 0750	3559	316 6620	3619	327 4290
3320	275 5600	3380	285 6100	3440	295 8400	3500	306 2500	3560	316 8400	3620	327 6100
3321	275 7260	3381	285 7790	3441	296 0120	3501	306 4250	3561	317 0180	3621	327 7910
3322	275 8921	3382	285 9481	3442	296 1841	3502	306 6001	3562	317 1961	3622	327 9721
3323	276 0582	3383	286 1172	3443	296 3562	3503	306 7752	3563	317 3742	3623	328 1532
3324	276 2244	3384	286 2864	3444	296 5284	3504	306 9504	3564	317 5524	3624	328 3344
3325	276 3906	3385	286 4556	3445	296 7006	3505	307 1256	3565	317 7306	3625	328 5156
3326	276 5569	3386	286 6249	3446	296 8729	3506	307 3009	3566	317 9089	3626	328 6969
3327	276 7232	3387	286 7942	3447	297 0452	3507	307 4762	3567	318 0872	3627	328 8782
3328	276 8896	3388	286 9636	3448	297 2176	3508	307 6516	3568	318 2656	3628	329 0596
3329	277 0560	3389	287 1330	3449	297 3900	3509	307 8270	3569	318 4440	3629	329 2410
3330	277 2225	3390	287 3025	3450	297 5625	3510	308 0025	3570	318 6225	3630	329 4225
3331	277 3890	3391	287 4720	3451	297 7350	3511	308 1780	3571	318 8010	3631	329 6040
3332	277 5556	3392	287 6416	3452	297 9076	3512	308 3536	3572	318 9796	3632	329 7856
3333	277 7222	3393	287 8112	3453	298 0802	3513	308 5292	3573	319 1582	3633	329 9672
3334	277 8889	3394	287 9809	3454	298 2529	3514	308 7049	3574	319 3369	3634	330 1489
3335	278 0556	3395	288 1506	3455	298 4256	3515	308 8806	3575	319 5156	3635	330 3306
3336	278 2224	3396	288 3204	3456	298 5984	3516	309 0564	3576	319 6944	3636	330 5124
3337	278 3892	3397	288 4902	3457	298 7712	3517	309 2322	3577	319 8732	3637	330 6942
3338	278 5561	3398	288 6601	3458	298 9441	3518	309 4081	3578	320 0521	3638	330 8761
3339	278 7230	3399	288 8300	3459	299 1170	3519	309 5840	3579	320 2310	3639	331 0580
3340	278 8900	3400	289 0000	3460	299 2900	3520	309 7600	3580	320 4100	3640	331 2400
3341	279 0570	3401	289 1700	3461	299 4630	3521	309 9360	3581	320 5890	3641	331 4220
3342	279 2241	3402	289 3401	3462	299 6361	3522	310 1121	3582	320 7681	3642	331 6041
3343	279 3912	3403	289 5102	3463	299 8092	3523	310 2882	3583	320 9472	3643	331 7862
3344	279 5584	3404	289 6804	3464	299 9824	3524	310 4644	3584	321 1264	3644	331 9684
3345	279 7256	3405	289 8506	3465	300 1556	3525	310 6406	3585	321 3056	3645	332 1506
3346	279 8929	3406	290 0209	3466	300 3289	3526	310 8169	3586	321 4849	3646	332 3329
3347	280 0602	3407	290 1912	3467	300 5022	3527	310 9932	3587	321 6642	3647	332 5152
3348	280 2276	3408	290 3616	3468	300 6756	3528	311 1696	3588	321 8436	3648	332 6976
3349	280 3950	3409	290 5320	3469	300 8490	3529	311 3460	3589	322 0230	3649	332 8800
3350	280 5625	3410	290 7025	3470	301 0225	3530	311 5225	3590	322 2025	3650	333 0625
3351	280 7300	3411	290 8730	3471	301 1960	3531	311 6990	3591	322 3820	3651	333 2450
3352	280 8976	3412	291 0436	3472	301 3696	3532	311 8756	3592	322 5616	3652	333 4276
3353	281 0652	3413	291 2142	3473	301 5432	3533	312 0522	3593	322 7412	3653	333 6102
3354	281 2329	3414	291 3849	3474	301 7169	3534	312 2289	3594	322 9209	3654	333 7929
3355	281 4006	3415	291 5556	3475	301 8906	3535	312 4056	3595	323 1006	3655	333 9756
3356	281 5684	3416	291 7264	3476	302 0644	3536	312 5824	3596	323 2804	3656	334 1584
3357	281 7362	3417	291 8972	3477	302 2382	3537	312 7592	3597	323 4602	3657	334 3412
3358	281 9041	3418	292 0681	3478	302 4121	3538	312 9361	3598	323 6401	3658	334 5241
3359	282 0720	3419	292 2390	3479	302 5860	3539	313 1130	3599	323 8200	3659	334 7070
3360	282 2400	3420	292 4100	3480	302 7600	3540	313 2900	3600	324 0000	3660	334 8900

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
3661	335 0730	3721	346 1460	3781	357 3990	3841	368 8320	3901	380 4450	3961	392 2380
3662	335 2561	3722	346 3321	3782	357 5881	3842	369 0241	3902	380 6401	3962	392 4361
3663	335 4392	3723	346 5182	3783	357 7772	3843	369 2162	3903	380 8352	3963	392 6342
3664	335 6224	3724	346 7044	3784	357 9664	3844	369 4084	3904	381 0304	3964	392 8324
3665	335 8056	3725	346 8906	3785	358 1556	3845	369 6006	3905	381 2256	3965	393 0306
3666	335 9889	3726	347 0769	3786	358 3449	3846	369 7929	3906	381 4209	3966	393 2289
3667	336 1722	3727	347 2632	3787	358 5342	3847	369 9852	3907	381 6162	3967	393 4272
3668	336 3556	3728	347 4496	3788	358 7236	3848	370 1776	3908	381 8116	3968	393 6256
3669	336 5390	3729	347 6360	3789	358 9130	3849	370 3700	3909	382 0070	3969	393 8240
3670	336 7225	3730	347 8225	3790	359 1025	3850	370 5625	3910	382 2025	3970	394 0225
3671	336 9060	3731	348 0090	3791	359 2920	3851	370 7550	3911	382 3980	3971	394 2210
3672	337 0896	3732	348 1956	3792	359 4816	3852	370 9476	3912	382 5936	3972	394 4196
3673	337 2732	3733	348 3822	3793	359 6712	3853	371 1402	3913	382 7892	3973	394 6182
3674	337 4569	3734	348 5689	3794	359 8609	3854	371 3329	3914	382 9849	3974	394 8169
3675	337 6406	3735	348 7556	3795	360 0506	3855	371 5256	3915	383 1806	3975	395 0156
3676	337 8244	3736	348 9424	3796	360 2404	3856	371 7184	3916	383 3764	3976	395 2144
3677	338 0082	3737	349 1292	3797	360 4302	3857	371 9112	3917	383 5722	3977	395 4132
3678	338 1921	3738	349 3161	3798	360 6201	3858	372 1041	3918	383 7681	3978	395 6121
3679	338 3760	3739	349 5030	3799	360 8100	3859	372 2970	3919	383 9640	3979	395 8110
3680	338 5600	3740	349 6900	3800	361 0000	3860	372 4900	3920	384 1600	3980	396 0100
3681	338 7440	3741 «	349 8770	3801	361 1900	3861	372 6830	3921	384 3560	3981	396 2090
3682	338 9281	3742	350 0641	3802	361 3801	3862	372 8761	3922	384 5521	3982	396 4081
3683	339 1122	3743	350 2512	3803	361 5702	3863	373 0692	3923	384 7482	3983	396 6072
3684	339 2964	3744	350 4384	3804	361 7604	3864	373 2624	3924	384 9444	3984	396 8064
3685	339 4808	3745	350 6256	3805	361 9506	3865	373 4556	3925	385 1406	3985	397 0056
3686	339 6649	3746	350 8129	3806	362 1409	3866	373 6489	3926	385 3369	3986	397 2049
3687	339 8492	3747	351 0002	3807	362 3312	3867	373 8422	3927	385 5332	3987	397 4042
3688	340 0336	3748	351 1876	3808	362 5216	3868	374 0356	3928	385 7296	3988	397 6036
3689	340 2180	3749	351 3750	3809	362 7120	3869	374 2290	3929	385 9260	3989	397 8030
3690	340 4025	3750	351 5625	3810	362 9025	3870	374 4225	3930	386 1225	3990	398 0025
3691	340 5870	3751	351 7500	3811	363 0930	3871	374 6160	3931	386 3190	3991	398 2020
3692	340 7716	3752	351 9376	3812	363 2836	3872	374 8096	3932	386 5156	3992	398 4016
3693	340 9562	3753	352 1252	3813	363 4742	3873	375 0032	3933	386 7122	3993	398 6012
3694	341 1409	3754	352 3129	3814	363 6649	3874	375 1969	3934	386 9089	3994	398 8009
3695	341 3256	3755	352 5006	3815	363 8556	3875	375 3906	3935	387 1056	3995	399 0006
3696	341 5104	3756	352 6884	3816	364 0464	3876	375 5844	3936	387 3024	3996	399 2004
3697	341 6952	3757	352 8762	3817	364 2372	3877	375 7782	3937	387 4992	3997	399 4002
3698	341 8801	3758	353 0641	3818	364 4281	3878	375 9721	3938	387 6961	3998	399 6001
3699	342 0650	3759	353 2520	3819	364 6190	3879	376 1660	3939	387 8930	3999	399 8000
3700	342 2500	3760	353 4400	3820	364 8100	3880	376 3600	3940	388 0900	4000	400 0000
3701	342 4350	3761	353 6280	3821	365 0010	3881	376 5540	3941	388 2870	4001	400 2000
3702	342 6201	3762	353 8161	3822	365 1921	3882	376 7481	3942	388 4841	4002	400 4001
3703	342 8052	3763	354 0042	3823	365 3832	3883	376 9422	3943	388 6812	4003	400 6002
3704	342 9904	3764	354 1924	3824	365 5744	3884	377 1364	3944	388 8784	4004	400 8004
3705	343 1756	3765	354 3806	3825	365 7656	3885	377 3306	3945	389 0756	4005	401 0006
3706	343 3609	3766	354 5689	3826	365 9569	3886	377 5249	3946	389 2729	4006	401 2009
3707	343 5462	3767	354 7572	3827	366 1482	3887	377 7192	3947	389 4702	4007	401 4012
3708	343 7316	3768	354 9456	3828	366 3396	3888	377 9136	3948	389 6676	4008	401 6016
3709	343 9170	3769	355 1340	3829	366 5310	3889	378 1080	3949	389 8650	4009	401 8020
3710	344 1025	3770	355 3225	3830	366 7225	3890	378 3025	3950	390 0625	4010	402 0025
3711	344 2880	3771	355 5110	3831	366 9140	3891	378 4970	3951	390 2600	4011	402 2030
3712	344 4736	3772	355 6996	3832	367 1056	3892	378 6916	3952	390 4576	4012	402 4036
3713	344 6592	3773	355 8882	3833	367 2972	3893	378 8862	3953	390 6552	4013	402 6042
3714	344 8449	3774	356 0769	3834	367 4889	3894	379 0809	3954	390 8529	4014	402 8049
3715	345 0 306	3775	356 2656	3835	367 6806	3895	379 2756	3955	391 0506	4015	403 0056
3716	345 2164	3776	356 4544	3836	367 8724	3896	379 4704	3956	391 2484	4016	403 2064
3717	345 4022	3777	356 6432	3837	368 0642	3897	379 6652	3957	391 4462	4017	403 4072
3718	345 5881	3778	356 8321	3838	368 2561	3898	379 8601	3958	391 6441	4018	403 6081
3719	345 7740	3779	357 0210	3839	368 4480	3899	380 0550	3959	391 8420	4019	403 8090
3720	345 9600	3780	357 2100	3840	368 6400	3900	380 2500	3960	392 0400	4020	404 0100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
4021	404 2110	4081	416 3640	4141	428 6970	4201	441 2100	4261	453 9030	4321	466 7760
4022	404 4121	4082	416 5681	4142	428 9041	4202	441 4201	4262	454 1161	4322	466 9921
4023	404 6132	4083	416 7722	4143	429 1112	4203	441 6302	4263	454 3292	4323	467 2082
4024	404 8144	4084	416 9764	4144	429 3184	4204	441 8404	4264	454 5424	4324	467 4244
4025	405 0156	4085	417 1806	4145	429 5256	4205	442 0506	4265	454 7556	4325	467 6406
4026	405 2169	4086	417 3849	4146	429 7329	4206	442 2609	4266	454 9689	4326	467 8569
4027	405 4182	4087	417 5892	4147	429 9402	4207	442 4712	4267	455 1822	4327	468 0732
4028	405 6196	4088	417 7936	4148	430 1476	4208	442 6816	4268	455 3956	4328	468 2896
4029	405 8210	4089	417 9980	4149	430 3550	4209	442 8920	4269	455 6090	4329	468 5060
4030	406 0225	4090	418 2025	4150	430 5625	4210	443 1025	4270	455 8225	4330	468 7225
4031	406 2240	4091	418 4070	4151	430 7700	4211	443 3130	4271	456 0360	4331	468 9390
4032	406 4256	4092	418 6116	4152	430 9776	4212	443 5236	4272	456 2496	4332	469 1556
4033	406 6272	4093	418 8162	4153	431 1852	4213	443 7342	4273	456 4632	4333	469 3722
4034	406 8289	4094	419 0209	4154	431 3929	4214	443 9449	4274	456 6769	4334	469 5889
4035	407 0306	4095	419 2256	4155	431 6006	4215	444 1556	4275	456 8906	4335	469 8056
4036	407 2324	4096	419 4304	4156	431 8084	4216	444 3664	4276	457 1044	4336	470 0224
4037	407 4342	4097	419 6352	4157	432 0162	4217	444 5772	4277	•457 3182	4337	470 2392
4038	407 6361	4098	419 8401	4158	432 2241	4218	444 7881	4278	457 5321	4338	470 4561
4039	407 8380	4099	420 0450	4159	432 4320	4219	444 9990	4279	457 7460	4339	470 6730
4040	408 0400	4100	420 2500	4160	432 6400	4220	445 2100	4280	457 9600	4340	470 8900
4041	408 2420	4101	420 4550	4161	432 8480	4221	445 4210	4281	458 1740	4341	471 1070
4042	408 4441	4102	420 6601	4162	433 0561	4222	445 6321	4282	458 3881	4342	471 3241
4043	408 6462	4103	420 8652	4163	433 2642	4223	445 8432	4283	458 6022	4343	471 5412
4044	408 8484	4104	421 0704	4164	433 4724	4224	446 0544	4284	458 8164	4344	471 7584
4045	409 0506	4105	421 2756	4165	433 6806	4225	446 2656	4285	459 0306	4345	471 9756
4046	409 2529	4106	421 4809	4166	433 8889	4226	446 4769	4286	459 2449	4346	472 1929
4047	409 4552	4107	421 6862	4167	434 0972	4227	446 6882	4287	459 4592	4347	472 4102
4048	409 6576	4108	421 8916	4168	434 3056	4228	446 8996	4288	459 6736	4348	472 6276
4049	409 8600	4109	422 0970	4169	434 5140	4229	447 1110	4289	459 8880	4349	472 8450
4050	410 0625	4110	422 3025	4170	434 7225	4230	447 3225	4290	460 1025	4350	473 0625
4051	410 2650	4111	422 5080	4171	434 9310	4231	447 5340	4291	460 3170	4351	473 2800
4052	410 4676	4112	422 7136	4172	435 1396	4232	447 7456	4292	460 5316	4352	473 4976
4053	410 6702	4113	422 9192	4173	435 3482	4233	447 9572	4293	460 7462	4353	473 7152
4054	410 8729	4114	423 1249	4174	435 5569	4234	448 1689	4294	460 9609	4354	473 9329
4055	411 0756	4115	423 3306	4175	435 7656	4235	448 3806	4295	461 1756	4355	474 1506
4056	411 2784	4116	423 5364	4175	435 9744	4236	448 5924	4296	461 3904	4356	474 3684
4057	411 4812	4117	423 7422	4177	436 1832	4237	448 8042	4297	461 6052	4357	474 5862
4058	411 6841	4118	423 9481	4178	436 3921	4238	449 0161	4298	461 8201	4358	474 8041
4059	411 8870	4119	424 1540	4179	436 6010	4239	449 2280	4299	462 0350	4359	475 0220
4060	412 0900	4120	424 3600	4180	436 8100	4240	449 4400	4300	462 2500	4360	475 2400
4061	412 2930	4121	424 5660	4181	437 0190	4241	449 6520	4301	462 4650	4361	475 4580
4062	412 4961	4122	424 7721	4182	437 2281	4242	449 8641	4302	462 6801	4362	475 6761
4063	412 6992	4123	424 9782	4183	437 4372	4243	450 0762	4303	462 8952	4363	475 8942
4064	412 9024	4124	425 1844	4184	437 6464	4244	450 2884	4304	463 1104	4364	476 1124
4065	413 1056	4125	425 3906	4185	437 8556	4245	450 5006	4305	463 3256	4365	476 3306
4066	413 3089	4126	425 5969	4186	438 0649	4246	450 7129	4306	463 5409	4366	476 5489
4067	413 5122	4127	425 8032	4187	438 2742	4247	450 9252	4307	463 7562	4367	476 7672
4068	413 7156	4128	426 0096	4188	438 4836	4248	451 1376	4308	463 9716	4368	476 9856
4069	413 9190	4129	426 2160	4189	438 6930	4249	451 3500	4309	464 1870	4369	477 2040
4070	414 1225	4130	426 4225	4190	438 9025	4250	451 5625	4310	464 4025	4370	477 4225
4071	414 3260	4131	426 6290	4191	439 1120	4251	451 7750	4311	464 6180	4371	477 6410
4072	414 5296	4132	426 8356	4192	439 3216	4252	451 9876	4312	464 8336	4372	477 8596
4073	414 7332	4133	427 0422	4193	439 5312	4253	452 2002	4313	465 0492	4373	478 0782
4074	414 9369	4134	427 2489	4194	439 7409	4254	452 4129	4314	465 2649	4374	478 2969
4075	415 1406	4135	427 4556	4195	439 9506	4255	452 6256	4315	465 4806	4375	478 5156
4076	415 3444	4136	427 6624	4196	440 1604	4256	452 8384	4316	465 6964	4376	478 7344
4077	415 5482	4137	427 8692	4197	440 3702	4257	453 0512	4317	465 9122	4377	478 9532
4078	415 7521	4138	428 0761	4198	440 5801	4258	453 2641	4318	466 1281	4378	479 1721
4079	415 9560	4139	428 2830	4199	440 7900	4259	453 4770	4319	466 3440	4379	479 3910
4080	416 1600	4140	428 4900	4200	441 0000	4260	453 6900	4320	466 5600	4380	479 6100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
4381	479 8290	4441	493 0620	4501	506 4750	4561	520 0680	4621	533 8410	4681	547 7940
4382	480 0481	4442	493 2841	4502	506 7001	4562	520 2961	4622	534 0721	4682	548 0281
4383	480 2672	4443	493 5062	4503	506 9252	4563	520 5242	4623	534 3032	4683	548 2622
4384	480 4864	4444	493 7284	4504	507 1504	4564	520 7524	4624	534 5344	4684	548 4964
4385	480 7056	4445	493 9506	4505	507 3756	4565	520 9806	4625	534 7656	4685	548 7306
4386	480 9249	4446	494 1729	4506	507 6009	4566	521 2089	4626	534 9969	4686	548 9649
4387	481 1442	4447	494 3952	4507	507 8262	4567	521 4372	4627	535 2282	4687	549 1992
4388	481 3636	4448	494 6176	4508	508 0516	4568	521 6656	4628	535 4596	4688	549 4336
4389	481 5830	4449	494 8400	4509	508 2770	4569	521 8940	4629	535 6910	4689	549 6680
4390	481 8025	4450	495 0625	4510	508 5025	4570	522 1225	4630	535 9225	4690	549 9025
4391	482 0220	4451	495 2850	4511	508 7280	4571	522 3510	4631	536 1540	4691	550 1370
4392	482 2416	4452	495 5076	4512	508 9536	4572	522 5796	4632	536 3856	4692	550 3716
4393	482 4612	4453	495 7302	4513	509 1792	4573	522 8082	4633	536 6172	4693	550 6062
4394	482 6809	4454	495 9529	4514	509 4049	4574	523 0369	4634	536 8489	4694	550 8409
4395	482 9006	4455	496 1756	4515	509 6306	4575	523 26 56	4635	537 0806	4695	551 0756
4396	483 1204	4456	496 3984	4516	509 8564	4576	523 4944	4636	537 3124	4696	551 3104
4397	483 3402	4457	496 6212	4517	510 0822	4577	523 7232	4637	537 5442	4697	551 5452
4398	483 5601	4458	496 8441	4518	510 3081	4578	523 9521	4638	537 7761	4698	551 7801
4399	483 7800	4459	497 0670	4519	510 5340	4579	524 1810	4639	538 0080	4699	552 0150
4400	484 0000	4460	497 2900	4520	510 7600	4580	524 4100	4640	538 2400	4700	552 2500
4401	484 2200	4461	497 5130	4521	510 9860	4581	524 6390	4641	538 4720	4701	552 4850
4402	484 4401	4462	497 7361	4522	511 2121	4582	524 8681	4642	538 7041	4702	552 7201
4403	484 6602	4463	497 9592	4523	511 4382	4583	525 0972	4643	538 9362	4703	552 9552
4404	484 8804	4464	498 1824	4524	511 6644	4584	525 3264	4644	539 1684	4704	553 1904
4405	485 1006	4465	498 4056	4525	511 8906	4585	525 5556	4645	539 4006	4705	553 4256
4406	485 3209	4466	498 6289	4526	512 1169	4586	525 7849	4646	539 6329	4706	553 6609
4407	485 5412	4467	498 8522	4527	512 3432	4587	526 0142	4647	539 8652	4707	553 8962
4408	485 7616	4468	499 0756	4528	512 5696	4588	526 2436	4648	540 0976	4708	554 1316
4409	485 9820	4469	499 2990	4529	512 7960	4589	526 4730	4649	540 3300	4709	554 3670
4410	486 2025	4470	499 5225	4530	513 0225	4590	526 7025	4650	540 5625	4710	554 6025
4411	486 4230	4471	499 7460	4531	513 2490	4591	526 9320	4651	540 7950	4711	554 8380
4412	486 6436	4472	499 9696	4532	513 4756	4592	527 1616	4652	541 0276	4712	555 0736
4413	486 8642	4473	500 1932	4533	513 7022	4593	527 3912	4653	541 2602	4713	555 3092
4414	487 0849	4474	500 4169	4534	513 9289	4594	527 6209	4654	541 4929	4714	555 5449
4415	487 3056	4475	500 6406	4535	514 1556	4595	527 8506	4655	541 7256	4715	555 7806
4416	487 5264	4476	500 8644	4536	514 3824	4596	528 0804	4656	541 9584	4716	556 0164
4417	487 7472	4477	501 0882	4537	514 6092	4597	528 3102	4657	542 1912	4717	556 2522
4418	487 9681	4478	501 3121	4538	514 8361	4598	528 5401	4658	542 4241	4718	556 4881
4419	488 1890	4479	501 5360	4539	515 0630	4599	528 7700	4659	542 6570	4719	566 7240
4420	488 4100	4480	501 7600	4540	515 2900	4600	529 0000	4660	542 8900	4720	556 9600
4421	488 6310	4481	501 9840	4541	515 5170	4601	529 2300	4661	543 1230	4721	557 1960
4422	488 8521	4482	502 2081	4542	515 7441	4602	529 4601	4662	543 3561	4722	557 4321
4423	489 0732	4483	502 4322	4543	515 9712	4603	529 6902	4663	543 5892	4723	557 6682
4424	489 2944	4484	502 6564	4544	516 1984	4604	529 9204	4664	543 8224	4724	557 9044
4425	489 5156	4485	502 8806	4545	516 4256	4605	530 1506	4665	544 0556	4725	558 1406
4426	489 7369	4486	503 1049	4546	516 6529	4606	530 3809	4666	544 2889	4726	558 3769
4427	489 9582	4487	503 3292	4547	516 8802	4607	530 6112	4667	544 5222	4727	558 6132
4428	490 1796	4488	503 5536	4548	517 1076	4608	530 8416	4668	544 7556	4728	558 8496
4429	490 4010	4489	503 7780	4549	517 3350	4609	531 0720	4669	544 9890	4729	559 0860
4430	490 6225	4490	504 0025	4550	517 5625	4610	531 3025	4670	545 2225	4730	559 3225
4431 4432 4433 4434 4435	491 0656 491 2872 491 5089	4491 4492 4493 4494 4495	504 2270 504 4516 504 6762 504 9009 505 1256	4551 4552 4553 4554 4555	517 7900 518 0176 518 2452 518 4729 518 7006	4611 4612 4613 4614 4615	531 5330 531 7636 531 9942 532 2249 532 4556	4673 4674	545 4560 545 6896 545 9232 546 1569 546 3906	4731 4732 4733 4734 4735	559 5590 559 7956 560 0322 560 2689 560 5056
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No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
4741	561 9270	4801	576 2400	4861	590 7330	4921	605 4060	4981	620 2590	5041	635 2920
4742	562 1641	4802	576 4801	4862	590 9761	4922	605 6521	4982	620 5081	5042	635 5441
4743	562 4012	4803	576 7202	4863	591 2192	4923	605 8982	4983	620 7572	5043	635 7962
4744	562 6384	4804	576 9604	4864	591 4624	4924	606 1444	4984	621 0064	5044	636 0484
4745	562 8756	4805	577 2006	4865	591 7056	4925	606 3906	4985	621 2556	5045	636 3006
4746	563 1129	4806	577 4409	4866	591 9489	4926	606 6369	4986	621 5049	5046	636 5529
4747	563 3502	4807	577 6812	4867	592 1922	4927	606 8832	4987	621 7542	5047	636 8052
4748	563 5876	4808	577 9216	4868	592 4356	4928	607 1296	4988	622 0036	5048	637 0576
4749	563 8250	4809	578 1620	4869	592 6790	4929	607 3760	4989	622 2530	5049	637 3100
4750	564 0625	4810	578 4025	4870	592 9225	4930	607 6225	4990	622 5025	5050	637 5625
4751	564 3000	4811	578 6430	4871	593 1660	4931	607 8690	4991	622 7520	5051	637 8150
4752	564 5376	4812	578 8836	4872	593 4096	4932	608 1156	4992	623 0016	5052	638 0676
4753	564 7752	4813	579 1242	4873	593 6532	4933	608 3622	4993	623 2512	5053	638 3202
4754	565 0129	4814	579 3649	4874	593 8969	4934	608 6039	4994	623 5009	5054	638 5729
4755	565 2506	4815	579 6056	4875	594 1406	4935	608 8556	4995	623 7506	5055	638 8256
4756	565 4884	4816	579 8464	4876	594 3844	4936	609 1024	4996	624 0004	5056	639 0784
4757	565 7262	4817	580 0872	4877	594 6282	4937	609 3492	4997	624 2502	5057	639 3312
4758	565 9641	4818	580 3281	4878	594 8721	4938	609 5961	4998	624 5001	5058	639 5841
4759	566 2020	4819	580 5690	4879	595 1160	4939	609 8430	4999	624 7500	5059	639 8370
4760	566 4400	4820	580 8100	4880	595 3600	4940	610 0900	5000	625 0000	5060	640 0900
4761	566 6780	4821	581 0510	4881	595 6040	4941	610 3370	5001	625 2500	5061	640 3430
4762	566 9161	4822	581 2921	4882	595 8481	4942	610 5841	5002	625 5001	5062	640 5961
4763	567 1542	4823	581 5332	4883	596 0922	4943	610 8312	5003	625 7502	5063	640 8492
4764	567 3924	4824	581 7744	4884	596 3364	4944	611 0784	5004	626 0004	5064	641 1024
4765	567 6306	4825	582 0156	4885	596 5806	4945	611 3256	5005	626 2506	5065	641 3556
4766	567 8689	4826	582 2569	4886	596 8249	4946	611 5729	5006	626 5009	5066	641 6089
4767	568 1072	4827	582 4982	4887	597 0692	4947	611 8202	5007	626 7512	5067	641 8622
4768	568 3456	4828	582 7396	4888	597 3136	4948	612 0676	5008	627 0016	5068	642 1156
4769	568 5840	4829	582 9810	4889	597 5580	4949	612 3150	5009	627 2520	5069	642 3690
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4771	569 0610	4831	583 4640	4891	598 0470	4951	612 8100	5011	627 7530	5071	642 8760
4772	569 2996	4832	583 7056	4892	598 2916	4952	613 0576	5012	628 0036	5072	643 1296
4773	569 5382	4833	583 9472	4893	598 5362	4953	613 3052	5013	628 2542	5073	643 3832
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4775	570 0156	4835	584 4306	4895	599 0256	4955	613 8006	5015	628 7556	5075	643 8906
4776	570 2544	4836	584 6724	4896	599 2704	4956	614 0484	5016	629 0064	5076	644 1444
4777	570 4932	4837	584 9142	4897	599 5152	4957	614 2962	5017	629 2572	5077	644 3982
4778	570 7321	4838	585 1561	4898	599 7601	4958	614 5441	5018	629 5081	5078	644 6521
4779	570 9710	4839	585 3980	4899	600 0050	4959	614 7920	5019	629 7590	5079	644 9060
4780	571 2100	4840	585 6400	4900	600 2500	4960	615 0400	5020	630 0100	5080	645 1600
4781	571 4490	4841	585 8820	4901	600 4950	4961	615 2880	5021	630 2610	5081	645 4140
4782	571 6881	4842	586 1241	4902	600 7401	4962	615 5361	5022	630 5121	5082	645 6681
4783	571 9272	4843	586 3662	4903	600 9852	4963	615 7842	5023	630 7632	5083	645 9222
4784	572 1664	4844	586 6084	4904	601 2304	4964	616 0324	5024	631 0144	5084	646 1764
4785	572 4056	4845	586 8506	4905	601 4756	4965	616 2806	5025	631 2656	5085	646 4306
4786	572 6449	4846	587 0929	4906	601 7209	4966	616 5289	5026	631 5169	5086	646 6849
4787	572 8842	4847	587 3352	4907	601 9662	4967	616 7772	5027	631 7682	5087	646 9392
4788	573 1236	4848	587 5776	4908	602 2116	4968	617 0256	5028	632 0196	5088	647 1936
4789	573 3630	4849	587 8200	4909	602 4570	4969	617 2740	5029	632 2710	5089	647 4480
4790	573 6025	4850	588 0625	4910	602 7025	4970	617 5225	5030	632 5225	5090	647 7025
4791	573 8420	4851	588 3050	4911	602 9480	4971	617 7710	5031	632 7740	5091	647 9570
4792	574 0816	4852	588 5476	4912	603 1936	4972	618 0196	5032	633 0256	5092	648 2116
4793	574 3212	4853	588 7902	4913	603 4392	4973	618 2682	5033	633 2772	5093	648 4662
4794	574 5609	4854	589 0329	4914	603 6849	4974	618 5169	5034	633 5289	5094	648 7209
4795	574 8006	4855	589 2756	4915	603 9306	4975	618 7656	5035	633 7806	5095	648 9756
4796	575 0404	4856	589 5184	4916	604 1764	4976	619 5121	5036	634 0324	5096	649 2304
4797	575 2802	4857	589 7612	4917	604 4222	4977		5037	634 2842	5097	649 4852
4798	575 5201	4858	590 0041	4918	604 6681	4978		5038	634 5361	5098	649 7401
4799	575 7600	4859	590 2470	4919	604 9140	4979		5039	634 7880	5099	649 9950
4800	576 0000	4860	590 4900	4920	605 1600	4980		5040	635 0400	5100	650 2500

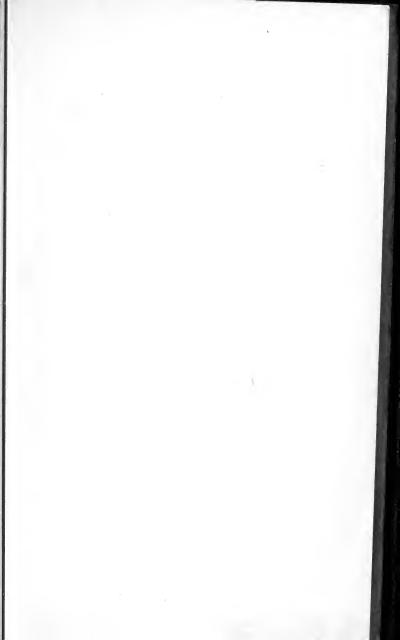
CONVERSION OF THE DIFFERENT THERMOMETRIC SCALES.

AHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.
212	80.0	100.0	150	52.4	65.6	88	24.9	31.1	26	- 2.7	- 3:8
211	79.6	99.4	149	52.0	65.0	87	24.4	30.6	25	- 3.1	- 3.5
210	79.1	98.9	148	51.6	64.4	86	24.0	30.0	24	- 3.6	- 4.4
209 208	78.7	98.3	147	51.1	63.9	85	23.6	29.4	23 22	- 4·0 - 4·4	- 50
207	78·2 77·8	97·8 97·2	146 145	50·7 50·2	63·3 62·8	84 83	23·1 22·7	28·9 28·3	22	- 4·9	- 5·6
206	77.3	96.7	144	49.8	62.2	82	22.2	27.8	20	- 5.3	- 6.7
205	76.9	96.1	143	49.3	61.7	81	21.8	27.2	19	- 5.8	- 7.9
204	76.4	95.6	142	48.9	61.1	80	21.3	26.7	18	- 6.2	- 7.8
203	76.0	95.0	141	48.4	60.6	79	20.9	26.1	17	- 6.7	- 8:
202	75.6	94.4	140	48.0	60.0	78	20.4	25.6	16	- 7.1	- 8.9
201 200	75·1 74·7	93.3	139 138	47·6 47·1	59·4 58·9	77 76	20·0 19·6	25 O 24 · 4	15 14	- 7·6 - 8·0	- 9: -10:
199	74.2	92.8	137	46.7	58.3	75	19.0	23.9	13	- 8·4	-10
198	73.8	92.2	136	46.2	57.8	74	18.7	23.3	12	- 8.9	-11
197	73.3	91.7	135	45.8	57.2	73	18.2	22.8	ii	- 9.3	-11
196	72.9	91.1	134	45.3	56.7	72	17.8	22.2	10	- 9.8	-12
195	72.4	90.6	133	44.9	56 1	71	17.3	21.7	9	-10.2	-12
194	72.0	90.0	132	44.4	55.6	70	16.9	21.1	8	-10.7	-13
193	71.6	89.4	131	44.0	55.0	69	16.4	20.6	7	-11.1	-13
192	71.1	88·9 88·3	130 129	43.6 43.1	54·4 53·9	68 67	16.0	20.0	6 5	-11·6 -12·0	-14
191 190	70·7 70·2	87.8	128	42.7	53.3	66	15.6 15.1	19·4 18·9	4	-12.4	-15 -15
189	69.8	87.2	127	42.2	52.8	65	14.7	18.3	3	-12.9	-16·
188	69.3	86.7	126	41.8	52.2	64	14.2	17.8	2	-13.3	-16
187	68.9	86.1	125	41.3	51.7	63	13.8	17.2	ī	-13.8	-17
186	68.4	85.6	124	40.9	51.1	62	13.3	16.7	0	-14.2	-17
185	68.0	85.0	123	40.4	50.6	61	12.9	16.1	- 1	-14.7	-18
184	67.6	84.4	122	40.0	50.0	60	12.4	15.6	- 2	-15.1	-18
183	67.1	83.9	121	39.6	49.4	59	12.0	15.0	- 3	-15.6	-19
182 181	66·2	83·3 82·8	120 119	39·1 38·7	48·9 48·3	58 57	11.6 11.1	14·4 13·9	- 4 - 5	-16.0 -16.4	-20·
180	65.8	82.2	118	38.2	47.8	56	10.7	13.3	- 6	-16.9	-21
179	65.3	81.7	117	37.8	47.2	55	10.2	12.8	- 7	-17.3	-21
178	64.9	81.1	116	37.3	46.7	54	9.8	12.2	- š	-17.8	-22
177	64.4	80.6	115	36.9	46.1	53	9.3	11.7	- 9	-18.2	-22
176	64.0	80.0	114	36.4	45.6	52	8.9	11.1	-10	-18.7	-23
175	63.6	79.4	113	36.0	45.0	51	8.4	10.6	-11	-19.1	-23
174	63.1	78.9	112	35.6	44.4	50	8.0	10.0	-12	-19·6 -20·0	-24·
$\begin{array}{c} 173 \\ 172 \end{array}$	62.7	78·3 77·8	111 110	35·1 34·7	43·9 43·3	49 48	7·6 7·1	9·4 8·9	$-13 \\ -14$	-20·4	-25
171	61.8	77.2	109	34.2	42.8	47	6.7	8.3	-15	-20.9	-26
170	61.3	76.7	108	33.8	42.2	46	6.2	7.8	-16	-21.3	-26
169	60.9	76.1	107	33.3	41.7	45	5.8	7.2	-17	-21.8	-27
168	60.4	75.6	106	32.9	41.1	44	5.3	6.7	-18	-22.2	-27
167	60.0	75 0	105	32.4	40.6	43	4.9	6.1	-19	-22.7	-28
166	59.6	74.4	104	32.0	40.0	42	4.4	5.6	-20 -21	-23·1 -23·6	-28°
165	59.1	73.9	103	31.6	39·4 38·9	41	4·0 3·6	5·0 4·4	$-21 \\ -22$	-23·6 -24·0	-30
164 163	58·7 58·2	73·3 72·8	102 101	31·1 30·7	38.3	40 39	3.1	3.9	-22 -23	-24.4	-30
162	57.8	72.2	100	30.2	37.8	38	2.7	3.3	-23	-24.9	-31
161	57.3	71.7	99	29.8	37.2	37	2.2	2.8	-25	-25.3	-31
160	56.9	71.1	98	29.3	36.7	36	1.8	2.2	-26	-25.8	-32°
159	56.4	70.6	97	28.9	36.1	35	1.3	1.7	-27	-26.2	-32
158	56.0	70.0	96	28.4	35.6	34	0.9	1.1	-28	-26.7	-33
157	55.6	69.4	95	28.0	35.0	33	0.4	0.6	-29 -30	$-27.1 \\ -27.6$	-33°
156	55.1	68.9	94	27.6	34.4	32	0·0 -0·4	-0.6 0.0	-30 -31	-28·0	-34 -35
155	54·7 54·2	68.3	93 92	27·1 26·7	33.3	31 30	-0.4	-0.6 -1.1	-31 -32	-28.4	-35
154 153	53.8	67·8 67·2	92 91	26.2	32.8	29	-1.3	-1.7	-33	-28.9	-36
152	53.3	66.7	90	25.8	32.2	28	-1.8	-2.2	-34	-29.3	- 36
151	52.9	66.1	89	25.3	31.7	27	-2.2	-2.8	-35	- 29.8	-37

			Log.
Area of a circle to radius $1, \dots, \gamma = \pi$	=	3.1415926536	0.4971499
Circumference of a circle to diameter 1			
Surface of a sphere to diameter 1			•
Area of a circle to diameter $1, \dots, = \frac{1}{4}\pi$	=	0.7853981634	1.8950899
Volume of a sphere to diameter $1 \dots = \frac{1}{6}\pi$	=	0.5235987756	1·7189986
Volume of a sphere to radius $1 \dots = \frac{4}{3}\pi$	=	4.1887902048	0.6220886
Diameter of a circle to area $1 \dots = \sqrt{4 \div \tau}$		1.1283791671	0.0524550
Diameter of a sphere to volume $1 \dots = \sqrt[3]{6 \div \pi}$	=	1.2407009818	0.0936671
$\sqrt{\pi}$	=	1.7724538509	0.2485749
π2	=	9.8696044011	0.€ 342997
$1 \div \pi$	=	·3183098862	1.5028501
$1 \div \pi^2$	=	0.1013211836	1.0057003
Base of Naperian logarithms = 5	=	2.7182818285	0.4342945
Modulus of the common logarithms = M	=	0.4342944819	1.6377843
Naperian logarithm of #	=	1.1447298858	0.0587030
Arc equal to radius expressed in degrees		57.295779513	1.7581226
minutes		3437.74677078	3.5362739
seconds	=	206264 806247	5.3144251
Length of one degree in parts of radius	=	0174532925	2.2418773
Length of one minute in parts of radius	=	*0002908882	4.4637261
360 Degrees expressed in seconds		1296000	6.1126050
24 Hours expressed in seconds of time		86400	4.9365137
12 Hours expressed in seconds of time		43200	1.005 1008
	_	10200	4 0354837
		5280	
Number of feet in 1 mile	=		3.7226339
Number of feet in 1 mile	=	5280 365 256374417	3·7226339 2·5625978
Number of feet in 1 mile	=======================================	5280 365 256374417	3·7226339 2·5625978 4·9353264
Number of feet in 1 mile	= = = s.	5280 365 •256374417 86164 •09966888	3·7226339 2·5625978 4·9353264 2·3739328
Number of feet in 1 mile	= = s. s.	5280 365 256374417 86164 09966888 sidereal time	3·7226339 2·5625978 4·9353264 2·3739328 2·3727458
Number of feet in 1 mile	= = s. s.	5280 365·256374417 86164·09966888 sidereal time solar time	3·7226339 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet.	= = = s. s. = =	5280 365·256374417 86164·09966888 sidereal time solar time 20923600	3·7226339 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet.	= = s. s. = = =	5280 365·256374417 86164·09966888 sidereal time solar time 20923600 20853657	2·5625978 4·9353264 2·3739328 2·3727453 7·3206364 7·3191822 5·5596054
Number of feet in 1 mile Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet Polar radius of the earth in English feet Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet	= s. s. = = = =	5280 365·256374417 86164·0996888 sidereal time solar time 20923600 20853657 362748·33	3·7226339 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822 5·5596054 5·5617830
Number of feet in 1 mile Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet Polar radius of the earth in English feet Degree of latitude at the equator in English feet /French toises into French mètres	= s. s. = = = =	5280 365*256374417 86164*09966888 sidereal time 20923600 20853657 362748*33 364571*77	3·7226389 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822 5·5596054 5·5617830 0·2898200
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. French toises into French mètres.	= s. s. = = = = =	5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659	3-7226389 2-5625978 4-9353264 2-3739329 2-3727453 7-3206364 7-3101822 5-5590654 5-5617830 0-2898200 0-8058126
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. French toises into French mètres.	= s. s. = = = = = = = = = = = = = = = =	5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252	3·7226389 2·5625978 4·9853264 2·3739328 2·3727458 7·3206364 7·3101822 5·5596054 5·5617830 0·2898200 0·8058122 0·0276716
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. French toises into French mètres.	= s. s. = = = = = = = = = = = = = = = =	5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-83 364571-77 1-94903659 6-39459252 1-06576542	3·7226389 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822 5·5596054 5·5617830 0·8058126 0·0276716 0·0388716
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. French toises into French mètres.	= = s. s. = = = = = = = = = = = = = = =	5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-06576542 1-093633067	3 · 7226339 2 · 5625973 4 · 9353264 2 · 3739328 2 · 3727453 7 · 3206364 7 · 3191822 5 · 5596054 5 · 5617830 0 · 2898200 0 · 8058129 0 · 0276716 0 · 0388716 1 · 5951741
Number of feet in 1 mile Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet Polar radius of the earth in English feet Degree of latitude at the equator in English feet /French toises into French mètres	= = s. s. = = = = = = = = = = = = = = =	5280 365-256374417 86164-0996888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079 6213824	3·7226339 2·5625978 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822 5·5596054 5·5617830 0·2898200 0·8058129 0·0276716 0·0388716 1·5951741 1·7933590
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet. French toises into French mètres. French toises into English feet. French mètres into English feet. French mètres into English inches. French kilogrammes into Ibs. avoir.	= = s. s. = = = = = = = = = = = = = = =	5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079	3·7226339 2·5625973 4·9353264 2·3739328 2·3727453 7·3206364 7·3101822 5·55906054 5·5617830 0·2808200 0·00276716 0·0388716 1·5951741 1·7938590 0·3433340
Number of feet in 1 mile. Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at the equator in English feet. French toises into French mètres. French diets into English feet. French mètres into English feet. French mètres into English feet. French mètres into English inches. French kilomètres into English inches. French kilogrammes into Ibs. avoir. French litres into imperial gallons.	s. s. = = = = = = = = = = = = = = = = =	5280 365-256374417 \$6164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-00576542 1-093633067 39-37079 6213824 2-2046212	3·7226339 2·5625978 4·9353264 2·3739328 2·3727463 7·3206364 5·5596054 5·5598520 0·2898200 0·8058129 0·0276716 0·0388716 1·5951741 1·7933590 0·3433340 1·3426136
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236·55535 Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet. French toises into French mètres. French mètres into English feet. French mètres into English feet. French mètres into English inches French kilogrammes into Bs. avoir. French litres into imperial gallons. Length of seconds pendulum in inches, at London.	= s. s. = = = = = = = = = = = = = = = =	5280 5280 365-256374417 86164-0996888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-09576542 1-09363067 39-37079 6213824 2-2046212 -220967	3·7226339 2·5625078 4·9353264 2·3739328 2·3727453 7·3206364 5·5596054 5·5617830 0·2868200 0·0276716 0·0288716 1·5951741 1·7933590 0·3483340 1·3426136 1·5926129
Number of feet in 1 mile. Sidereal year in mean solar days. Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 = 235:90945 Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet. French toises into English feet. French toises into English feet. French mètres into English feet. French mètres into English feet. French mètres into English radis. French mètres into English vards. French mètres into English inches French kilogrammes into lbs. avoir. French litres into imperial gallons. Length of seconds pendulum in inches, at London. Paris.	= = s. s. = = = = = = = = = = = = = = =	5280 55280 365-256374417 86164-09966888 sidereal time solar time 20923600 20853657 362748-83 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079 6213824 2-2046212 -2200967 39-13929 39-12929	3·7226339 2·5625973 4·9353264 2·3739328 2·3727458 7·3206364 5·5596054 5·5617830 0·8865129 0·9276716 0·0388716 1·5951741 1·7933590 0·3433344 1·3426136 1·5926122 1·5926122
Number of feet in 1 mile. Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet. French toises into French mètres. French toises into English feet. French ciese into English feet. French mètres into English feet. French mètres into English inches. French kilogrammes into English niles. French kilogrammes into English niles. French litres into imperial gallons. Length of seconds pendulum in inches, at London. Paris. New York.	= = s. s. = = = = = = = = = = = = = = =	5280 55280 365-256374417 86164-09966888 sidereal time solar time 20923600 20853657 362748-83 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079 6213824 2-2046212 -2200967 39-13929 39-12929	3·7226339 2·5625978 4·9353264 2·3739328 2·3727453 7·3206364 7·3191822 5·5596054
Number of feet in 1 mile. Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day = 236:55535 Equatorial radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45' in English feet. French toises into French mètres. French feet into English feet. French mètres into English feet. French mètres into English feet. French mètres into English inches. French kilomètres into English inches. French kilogrammes into Ibs. avoir. French litres into imperial gallons. Length of seconds pendulum in inches, at London. Paris. New York. Velocity of falling bodies in feet at the end of the first second—	= = s. s. = = = = = = = = = = = = = = =	5280 5280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079 6213824 2-2046212 -2200967 39-13929 39-1012	3·7226339 2·5625078 4·9353264 2·3739328 2·3727453 7·3206364 5·5596054 5·551743 0·028716 0·0388716 0·0388716 0·343340 0·343340 1·5926129 1·5926129 1·5926129 1·592611901
Number of feet in 1 mile. Sidereal year in mean solar days Sidereal rotation of earth in mean solar seconds. Acceleration of stars in solar day Equatorial radius of the earth in English feet. Polar radius of the earth in English feet. Degree of latitude at the equator in English feet. Degree of latitude at 45° in English feet. French toises into French mètres. French toises into English feet. French ciese into English feet. French mètres into English feet. French mètres into English inches. French kilogrammes into English niles. French kilogrammes into English niles. French litres into imperial gallons. Length of seconds pendulum in inches, at London. Paris. New York.	= = s. s. s. = = = = = = = = = = = = = =	5280 55280 365-256374417 86164-09966888 sidereal time 20923600 20853657 362748-33 364571-77 1-94903659 6-39459252 1-06576542 1-093633067 39-37079 6213824 2-2046212 -2200967 39-13929 39-1012 32-19078	3·7226339 2·5625078 4·9353264 2·3739328 2·3727458 7·3206364 7·3191822 5·5596054 5·5617830 0·28658129 0·0276716 0·0388716 1·5951741 1·7933590 0·3433340 1·3426136 1·59250129 1·5925019

THE END.

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